

JABATAN KERJA RAYA MALAYSIA

**KERJA-KERJA SENGARA DAN BAIKPULIH FASILITI DI SEKOLAH
KEBANGSAAN SUNGAI TONG, SETIU, TERENGGANU (TAWARAN SEMULA)**

SENARAI KUANTITI

Kami seperti nama syarikat di bawah mengesahkan tawaran harga yang tersenarai di dalam senarai kuantiti ini adalah sama sepertimana di dalam Borang Tender yang dihasilkan di dalam sistem dan sebarang percanggahan akan menyebabkan tawaran kami ditolak.

- A. Nama Syarikat: **Nama Petender**
- B. CIDB/UPKJ/PUKONSA No.: **No.Pendaftaran Petender**
- C. Harga Tawaran: **Harga Tawaran Petender**
- D. No. Siri Tender: **TEND/JKRNT/BKUB/17/2024**
- E. Tarikh Cipta Senarai Kuantiti: **5/11/2024**

Senarai kuantiti ini dikeluarkan oleh BKUB. Sebarang pertanyaan boleh berhubung dengan pegawai yang menyediakan tender dan maklumat pegawai untuk dihubungi boleh didapati di laman iklan.

JABATAN KERJA RAYA MALAYSIA

KERJA-KERJA SENGARA DAN BAIKPULIH FASILITI DI SEKOLAH KEBANGSAAN SUNGAI TONG, SETIU, TERENGGANU (TAWARAN SEMULA)

SENARAI KUANTITI

No. Tender: TEND/JKRNT/BKUB/17/2024

RINGKASAN TENDER**KERJA-KERJA SENGARA DAN BAIKPULIH FASILITI DI SEKOLAH KEBANGSAAN
SUNGAI TONG, SETIU, TERENGGANU (TAWARAN SEMULA)**

ITEM	DESCRIPTION	PAGE NO.	AMOUNT(RM)
A	PRELIMINARIES AND GENERAL CONDITIONS	A/16	
B	BUILDING WORKS (ALL QUANTITIES ARE PROVISIONAL)	BQ SUM B/1	
C	EXTERNAL WORKS	BQ C/1	
D	PRIME COST SUM	BQ D/1	
E	PROVISIONAL SUM	BQ E/1	
Jumlah di bawa ke Borang Tender			-

RT/1

ITEM	DESCRIPTION
	<u>PRELIMINARIES</u>
A	GENERAL INFORMATION TO BILL OF QUANTITIES
1.0	GENERAL
1.1	The Works contained in the Contract shall include the provision of all labour, materials, constructional plant, temporary or permanent works as required in the
1.2	The Bills of Quantities shall be read in conjunction with the Conditions of Contract, the Specification and the Drawings in the Contract Documents.
1.3	The items as set out in the Bills of Quantities shall apply to the whole of the Works contained in the Contract and the Contractor shall allow for compliance with the same and for any cost incurred in connection therewith.
1.4	Headings are not comprehensive and do not necessarily reflect or modify the meaning of the items in the B.Q. The exact nature and extent of the work to be carried out shall be ascertained by reference to the Contract as a whole, in particulars the Conditions of Contract, the Specification and the Drawings. It shall be read together with the relevant "Method of Payment"
1.5	The amounts inserted by the Contractor for such items shall be deemed to apply to the whole of the Works carried out under this Contract.
1.6	Each item shall be individually priced. Bulk pricing for sections, trades, groups or pages of items shall not be allowed and no subsequent claims for loss or expense and/or profit shall be entertained for failure to comply with this clause.
1.7	<p>The rates and prices inserted in the Bills of Quantities shall include cost of the works described, all risks, liabilities and obligations set forth or implied in the Contract Document and shall be deemed to include the following, unless expressly stated otherwise:</p> <ul style="list-style-type: none"> (a) the provision of labour and all costs in connection therewith; (b) the supply of materials, goods, equipment and storage thereof including delivery to site and all costs in connection therewith; (c) taking delivery of materials, goods and equipment necessary for the Works and including those supplied by others, loading and unloading, storage and all costs (d) the usage of plants and machineries and all costs in connection therewith; (e) the fixing, erecting and installing or placing in position of materials, goods and equipment including around obstruction, tolerances, penetration, working space, over-breaks etc. and all costs in connection therewith; (f) the provision of all temporary works and all costs in connection therewith unless separately provided for in the Bills of Quantities;
	A1/1

ITEM	DESCRIPTION
	<p>(g) the phasing requirements of the Works including the effect on the programming of the Works of all traffic and drainage diversions, special structural requirements, earthwork restrictions, alterations to services and street lighting (executed under the Contract or in conjunction with it) and all other requirements of the Contract and all costs in connection therewith;</p> <p>(h) all costs of testing to show proof of compliance with the Specification on materials and workmanship inclusive of samples of materials and submission of tests results. Should the frequency of testing and sampling not specified, then it shall be in accordance with the relevant Malaysian/British Standards and Codes of Practice. Where there is no such relevant Standards and Codes of Practice for reference, it shall then be as instructed by the S.O.;</p> <p>(i) all royalties and dues which the Contractor may be required to pay;</p> <p>(j) wastage;</p> <p>(k) establishment charges, overheads and profit;</p> <p>(l) whatsoever method of construction the Contractor may adopt.</p>
1.8	Where any priced item in the B.Q. but has not been executed on site by the Contractor, the cost of such priced item shall accordingly be deducted from the
1.9	All items priced shall be deemed to include compliance with the provisions of the contract, statutes, regulation, by-laws or any order or directive issued by a public authority or public service company and other related legislation currently in force.
2.0	MEASUREMENT
2.1	Quantities in the Bills of Quantities are measured in accordance with the Malaysian Standard Method of Measurement of Building Works (2nd Edition Metric 2000). Where departure have been made from the standards mentioned, the method adopted in the Bills shall be adhered to for the purposes of ascertaining the value of all variations and measurements.
3.0	UNPRICED ITEMS
3.1	Where any items is left unpriced, it shall be deemed that the cost of such item has been allowed for elsewhere within thi document. No subsequent claims arising out of expense and/or loss incurred against such unpriced item shall be entertained.
	A1/2

ITEM	DESCRIPTION
4.0	GENERAL ATTENDANCE FOR NOMINATED SUB-CONTRACTORS AND NOMINATED SUPPLIERS
4.1	<p>Attendance and facilities for Nominated Sub-Contractors and nominated suppliers shall include:</p> <p>(a) in the case of works or serviced executed : for allowing the use of existing working space, access, temporary roads, erected scaffolding, sanitary, welfare and other facilities existing on Site and the provision of protection, water, electricity for lighting and clearing away rubbish and debris arising from the work;</p> <p>(b) in the case of goods, material or services supplied : for taking delivery, unloading, storing, protection and returning crates, cartons and packing</p> <p>all as specified in the specification</p>
5.0	PHASING SEQUENCE OF OPERATIONS AND METHODS OF CONSTRUCTION
5.1	The rates and prices shall, unless otherwise stated, include for the costs of compliance with any restrictions imposed on the programming of the Works by the Government and Local Authorities and other relevant authorities dealing with phasing sequence of operations, method of construction, safety and health and liaison and
6.0	TRIALS, SAMPLES, TESTS AND INSPECTION
6.1	The rates and prices shall include for a testing laboratory or laboratory approved by SIRIM or accredited by Department Of Standard Malaysia (JSM) equipment and staff for carrying out the tests, tests and the effects on the progress of the Works for the carrying out of all trials, sampling and test whether specified in the Contract Document or otherwise in order to ensure compliance with the requirements of the Specification except where separately itemised in the Bills of Quantities.
7.0	EXISTING SERVICES AND MAINS
7.1	The Contractor shall include in his rates and prices for taking measures to locate the actual position and provide support and full protection of existing services and mains and other equipment and machineries during the progress of the Works. The Contractor shall inform the S.O. of all arrangements with all Statutory and Public Utility
8.0	WORK UNDER WATER
8.1	The rates shall include any costs arising from and in connection with the execution of work under water wherever required unless otherwise stated.
	A1/3

ITEM	DESCRIPTION
9.0	PHRASEOLOGY
9.1	Differences in the method of billing and in phraseology used in various parts of the Bills of Quantities and/or Schedule of Rates shall not be a basis of any claim for an increase in the rates and prices.
10.0	PROVISIONAL SUMS
10.1	All provisional sums included in the Bills of Quantities are intended to be approximate indications only of the amounts to be expended in respect of the work described and may be omitted entirely or substantially varied without entitling the Contractor to any claim for compensation. No part of the Contractor's overhead, expenses or profit should be included in these sums when the bill is priced unless items for profit and attendance are specifically allowed for.
11.0	CURRENCY OF PAYMENT
11.1	Pricing of the Contract shall be in Malaysian Ringgit to two decimal place. Payment to the Contractor under the Contract shall be in Malaysian Ringgit.
12.0	TEMPORARY DIVERSIONS
12.1	Work in connection with the temporary diversion and relocation of existing overhead and underground services, whether detailed in the Contract or not shall be covered by the appropriate Lump Sum Items in Bill No.1 : Preliminaries and General Conditions unless separately measured in other parts of the Bill of Quantities.
13.0	ABBREVIATIONS
13.1	<p>The following abbreviations or symbols are generally used in the Contract Document and shall be read as follows :</p> <ul style="list-style-type: none"> a) mm : milimetre b) m : metre c) m² : square metre d) m³ : cubic metre e) kg : kilogramme f) tonne : metric ton g) No. : Number h) L.S : Lump Sum i) P.C. Sum : Prime Cost Sum j) P.S. : Provisional Sum k) R.M : Ringgit Malaysia
	A1/4

ITEM	DESCRIPTION
14.0	SCOPE OF WORKS
14.1	The works included under this Contract comprises : A) Preliminaries and General Conditions B) Building Works C) External Works D) Prime Cost Sum E) Provisional Sum
15.0	LOCATION OF SITE
15.1	The site for proposed Works is located at <u>di Kampung Sungai Tong, Setiu, Terengganu</u> as shown on Drawing No. Pelan Tapak PKRT.a.SP (F) 25/01
	A1/5

ITEM	DESCRIPTION	AMOUNT (RM)
	<p>Project Signboard</p> <p>A The Contractor shall provide, erect, paint and maintain a project signboard as directed by the S.O.. The signboard shall be erected at a prominent position at the Site as approved by the S.O.</p> <p>Site Survey and Setting Out</p> <p>B The Contractor shall employ a licensed surveyor to carry out site surveys before commencement and setting out of the Works.</p> <p>C For the purpose of complying with Tenaga Nasional Berhad's (TNB) requirement, the Contractor shall prepare 15 sets of pre-computation plan which comprised of the survey plan for the TNB Substation. The said pre-computation plan shall be based on the overall certified survey plan by a Licensed Land Surveyor engaged by the Contractor for the project (measured separately). The pre-computation plan shall be prepared and certified by a Licensed Land Surveyor engaged by the Contractor and submitted to the S.O. for approval.</p> <p>Temporary Diversion And Relocation Of Existing Overhead And Underground Services</p> <p>D The Contractor shall enquire from the various authorities and make arrangements for the disconnection, removal, relocation and reconnection of services and pay all necessary cost and fees in connection therewith and make good all damage as specified.</p> <p>Construction Plan</p> <p>E The Contractor shall submit to the S.O. for his approval the following as specified :</p> <p>a) Programme of Works</p> <p>b) Method statements</p> <p>c) Contractor's organisation chart</p> <p>d) Schedules</p> <p>e) Quality Assurance Plan for Works Contract worth RM10 Million and above</p> <p>i) Provide a Quality Assurance Team full time on Site for the institution, administration and maintenance of the Quality Assurance Plan and the preparation and submission of all Quality Assurance Reports as specified, throughout the duration of the contract.</p> <p>ii) The Contractor shall appoint a suitably qualified and experienced person to act solely as a Quality Assurance Officer full time on site to lead Quality Assurance Team.</p> <p>Contractor's Plant</p> <p>F The Contractor shall provide, erect, keep insured, maintain and remove on completion all requisite scaffolding, hoist, crane, construction plant, ladder, staging, tarpaulins, et cetera (excluding piling and pile testing equipment), as necessary for the execution of the Works.</p>	
	<p>A1/6</p> <p>TOTAL AMOUNT (RM)</p>	

ITEM	DESCRIPTION	AMOUNT (RM)
	<p>Temporary Power And Water Supplies For The Works</p> <p>A The Contractor shall provide adequate power and water supplies for the execution of the works including paying all associated costs and fees as specified.</p> <p>Site Security</p> <p>B The Contractor shall provide all necessary personnel and lighting for the security of the site at all times until completion of the whole Works as specified.</p> <p>Temporary Access And Maintenance Of Existing Roads</p> <p>C The Contractor shall provide and maintain all necessary temporary roads, culverts, tracks, bridges, et cetera for access to and within the Site as long as required to the approval of the S.O. as specified.</p> <p>D The Contractor shall maintain all access including existing roads, bridges, drains, culverts, roadside furniture, and all other appurtenances and services on such roads throughout the construction period. The Contractor shall make good any above-mentioned item damaged by any work carried out by him.</p> <p>E The Contractor shall reinstate the same to their original condition to the satisfaction of S.O. and provide support and full protection of existing services and mains during the progress of the Works. The Contractor shall inform the S.O. of all arrangements with the various authorities.</p> <p>Control Of Workmen, Plant And Machinery At Site</p> <p>F The Contractor shall ensure the safety, health and welfare at work of all his workmen as specified.</p> <p>Contractor's Temporary Accommodation And Facilities For Workmen Living On Site</p> <p>G The Contractor shall provide and maintain temporary accommodation including all necessary facilities and services for water supply, drainage, sanitation and lighting for his staff as specified.</p> <p>Contractor's Office And Storage</p> <p>H The Contractor shall provide and maintain the Contractor's office and storage on the Site in positions as approved by the S.O. and as</p>	
A1/7 TOTAL AMOUNT (RM)		

ITEM	DESCRIPTION	AMOUNT (RM)
	<p>Care And Protection Of Materials And Works</p> <p>A The Contractor shall provide and maintain everything necessary for proper protection of materials and Works from any damage by weather, carelessness or otherwise. Any damage caused shall be made good at the Contractor's own cost to the approval of the S.O.</p> <p>Shop Drawings, Samples And Mock-ups</p> <p>B The Contractor shall submit relevant shop drawings, samples of materials or workmanship and mock-ups units, manufacturer's specifications, et cetera for the S.O.'s approval as specified.</p> <p>Progress Photographs</p> <p>C The Contractor shall take progress photographs at monthly intervals or more frequently as directed by the S.O. and submit to the S.O. as specified.</p> <p>Material Testing Laboratory And Staff</p> <p>D The Contractor shall provide/erect a testing laboratory within the site or rent a premise or propose an accredited laboratory approved by SIRIM or accredited by Department of Standard Malaysia (JSM). The Laboratory shall be equipped with the necessary equipment and staff required to carry out the tests as identified in APPENDIX A/4 (List of Laboratory Equipment).</p> <p>Office Accomodation For S.O.</p> <p>E The Contractor shall provide and maintain a site office or relocatable site office or rent a premise for the use of the JKR supervisory staff which shall meet the requirement of the JKR design as specified.</p> <p>Telephone For S.O.</p> <p>F The Contractor shall provide a permanent telephone at the S.O.'s site office for the sole use of the S.O. and his representatives as specified.</p> <p>Survey Instruments And Personnel</p> <p>G The Contractor shall provide all such instruments, equipment and survey personnel as specified until thirty (30) days after the issuance of the Certificate of Practical completion as per S.O. required.</p>	
A1/8	TOTAL AMOUNT (RM)	

ITEM	DESCRIPTION	AMOUNT (RM)
	<p>Site Items For S.O/Office Equipment And Facilities</p> <p>A The Contractor shall provide all Personal Protective Equipment required for the use of the S.O. and his supervisory staff complete as specified and complying with DOSH requirements.</p> <p>B The Contractor shall provide suitable types of fire extinguishers as specified.</p> <p>C The Contractor shall provide the equipment and facilities as listed as specified in APPENDIX A/2/1 for the use of the S.O., his representatives and staff throughout the duration of the original Contract Period.</p> <p>D The Contractor shall provide suitable transportation service by means of vehicle (s) including licensed and competent driver(s) as specified in APPENDIX A/3 throughout the duration of the original Contract Period.</p> <p>Safe Working Area</p> <p>E The Contractor shall supply, erect, maintain and remove on completion of the Works, scaffolding and working platform with safety nettings, catch platforms, safety barricades, fencing, railing, screen wire netting and toe board, guardrails or board fences and sufficient illuminations, all as specified.</p> <p>F The Contractor shall supply, erect, maintain and remove on completion of the Works, adequate, protective and security hoarding, scaffolding and working platform with safety nettings and such other safety measures necessary to ensure the safety of the workers, personnel, public and others at or within the vicinity of the Site, all as specified.</p>	
A1/9	TOTAL AMOUNT (RM)	

ITEM	DESCRIPTION	AMOUNT (RM)										
	Safety, Health And Welfare											
A	The Contractor shall ensure the safety, health and welfare at work site as specified including but not limited to : a) Provision of First Aid Kit b) Pest control including keeping the site clean and dry to prevent breeding of mosquitoes, rodents, insects and vermin of any kind. c) Fogging at regular intervals											
B	* The Contractor shall employ a Safety and Health Officer (SHO) registered with DOSH for the entire contract period to be stationed fulltime at the site (for works exceeding RM 20 million contract value) * Delete if not applicable											
C	* The Contractor shall employ a Site Safety Supervisor (SSS) registered with DOSH to be stationed a minimum of 15 hours a week at the site for the entire duration of the construction period											
D	The Contractor shall submit 5 copies of Safety and Health Plan (S-Plan) as required in APPENDIX A/5 as specified.											
E	The Contractor shall submit 5 copies of monthly Safety and Health Report as required in APPENDIX A/6 as specified.											
F	The Contractor shall provide and maintain adequate traffic safety and control including signages, warning lights and flagmen as necessary.											
	Keeping The Site Tidy											
G	The Contractor shall make every effort to keep the Site in a reasonably clean and tidy condition for the duration of the Works as specified.											
	Coordination Of Mechanical And Electrical (M & E) Services											
H	The Contractor shall be responsible for coordinating the implementation of all M&E works as specified and appoint M&E Services Coordinator based on project cost as follows : <table><tr><td>Project Cost (RM)</td><td>Minimum Requirement Of</td></tr><tr><td></td><td>M & E Coordinator</td></tr><tr><td>below 10 million</td><td>1 CoW</td></tr><tr><td>between 10 to 50 million</td><td>1 Engineer & 1 CoW</td></tr><tr><td>more than 50 million</td><td>1 Engineer & 2 CoW</td></tr></table>	Project Cost (RM)	Minimum Requirement Of		M & E Coordinator	below 10 million	1 CoW	between 10 to 50 million	1 Engineer & 1 CoW	more than 50 million	1 Engineer & 2 CoW	
Project Cost (RM)	Minimum Requirement Of											
	M & E Coordinator											
below 10 million	1 CoW											
between 10 to 50 million	1 Engineer & 1 CoW											
more than 50 million	1 Engineer & 2 CoW											
A1/10	TOTAL AMOUNT (RM)											

ITEM	DESCRIPTION	AMOUNT (RM)
	<p>As-built Drawings and Documentation</p> <p>A Pursuant to the terms of the contract, the Contractor shall provide approved As-built drawings as follows:</p> <p>i. Four (4) sets of As-built drawings as actually constructed pertaining to the Works including all services and facilities systems and all supporting documents such as Operation and Maintenance Manual, Testing and Commissioning Certificates;</p> <p>ii. Four (4) sets of Digital Copies in AutoCAD (.dwg) or any other compatible format to be stored in compact discs or removable storage; and</p> <p>iii. Four (4) sets of Digital Copies in Acrobat (.pdf) or any other compatible format to be stored in compact discs or removable storage.</p> <p>The As-built drawings supplied shall be comprehensive and to the satisfaction of the S.O as to allow for a complete understanding of the Works as they were actually built incorporating all Works arising from variations, expenditure of Provisional Sums and Prime Cost Sums.</p> <p>Clearing, Cleaning And Making Good On Completion</p> <p>B The Contractor shall clear and clean the Works including existing roads, drains bounding the Site of any debris, earth, et cetera, and make good all damages upon completion as specified.</p>	
	<p>A1/11 TOTAL AMOUNT (RM)</p>	

ITEM	DESCRIPTION	AMOUNT (RM)
	<p><u>Official Visit to Overseas*</u></p> <p>A a) To provide and manage official visit programmes for a maximum of three (3) numbers of Government's Official/Personnel (including one (1) technical-officer-to-attend and /or conduct Pre-Delivery Inspection, factory-Evaluation Test, Project Monitoring Report, Executive Reporting Meeting, Final Acceptance Test, Transfer of Title or Training* at the country where the product is manufactured or/and where the programmes will be held inclusive all the related allowance and necessary expenditure for the Government's Official/Personnel throughout the programme as follows:-</p> <p>i. Meals Allowance;</p> <p>ii. Transportation Cost;</p> <p>iii. Accommodation Cost; and</p> <p>iv. Other allowance claimable by the Government's Official/Personnel as per PP/WP 1.4</p> <p>B b) The list and ranks of the Government's Official/Personnel for the official visit programme are as follows:</p> <p>i. Jawatan Utama Sektor Awam (JUSA) (..... no.)*;</p> <p>ii. J54 (..... no.)*;</p> <p>iii. J52 (..... no.)*;</p> <p>iv. J48 (..... no.)*;</p> <p>v. J41 (..... no.)*;</p> <p>vi.; * and</p> <p>vii.; *</p> <p>C c) The duration for the official visit for Pre-Delivery Inspection, factory Evaluation Test, Project Monitoring Report, Executive Reporting Meeting, Final Acceptance Test, Transfer of Title or Training* shall not exceed seven (7) days (not inclusive of the travelling days).</p>	
A1/12	TOTAL AMOUNT (RM)	

ITEM	DESCRIPTION	AMOUNT (RM)
	<u>Official Visit to Overseas* (cont'd)</u>	
A	e) The duration for the official visit for Pre-Delivery Inspection, factory Evaluation Test, Project Monitoring Report, Executive Reporting Meeting, Final Acceptance Test, Transfer of Title or Training* shall not exceed seven (7) days (not inclusive of the travelling days).	
B	d) The duration of the official visit for Training are** Days (not inclusive of the travelling days).	
C	e) The Contractor shall provide all the receipts/ invoice or other relevance documentation for the assessment of the S.O. before any payment will be made to the Contractor for the expenditures made for the official visit to the overseas programme.	
D	f) If the sum priced in this item is not used either wholly or in part, the S.O. reserved the rights to deduct the amount from the Contract Sum. <i>*Delete if not applicable</i> <i>**Insert number of days</i>	
E	Form of Contract The Contractor shall refer to the Standard Form of Contract for further information. The Contractor may price here for all the expenses involved in complying with the terms of these Clauses, otherwise such expenses are deemed to be included elsewhere.	
A1/13 TOTAL AMOUNT (RM)		

ITEM	DESCRIPTION	AMOUNT (RM)
	<p><u>Clause No. 13 – Performance Bond / Performance Guarantee Sum Performance Bond</u></p> <p>A For due observance and performance of this contract the Contractor shall have to provide :</p> <p>i. Performance Bond in the form of an approved Bank or Insurance Guarantee equal to five percent (5%) of the contract sum to be deposited with the Government as a condition precedent to the commencement of any work under this contract.</p> <p>ii. The Performance Bond shall remain valid and effective for the duration as specified in the Contract.</p> <p><u>Clause No.15</u></p> <p>B Insurance Against Personal Injuries And Damage To Property</p> <p><u>Clause No.16</u></p> <p>C Indemnities to Government in Respect of Claim by Workmen</p> <p><u>Clause No.17</u></p> <p>D Employees' Social Security Act. 1969</p> <p><u>Clause No.18</u></p> <p>E Insurance of Works</p> <p>Form of Contract (cont'd)</p> <p><u>Clause No. 22 – Design</u></p> <p>F Sub-clause No. 22.2 - Design Guarantee Bond Design Guarantee Bond substantially in the form of Bank Guarantee for Design Guarantee Bond (PWD DGB 1/2011) appended in the Tender Document.</p>	
A1/14		TOTAL AMOUNT (RM)

ITEM	DESCRIPTION	AMOUNT (RM)
	<u>Clause No.35</u>	
A	Opening up of work for inspection or testing of materials or goods.	
	<u>Clause No.59 - Site Agent And Assistants</u>	
B	The Contractor shall keep constantly on the Site for the full duration of the Contract a competent, efficient, suitably qualified, experienced and good character Site Agent and his assistants in each trade as may be necessary, who must be capable of receiving instructions in Bahasa Malaysia, and in default it shall be the responsibility of the Contractor to provide replacement for them and all wages and other expenses in connection with the employment of such replacement site agent and assistants. Any directions, explanations or instructions given to such site agent by the S.O. shall be deemed to have been given to the Contractor under this contract provide all necessary superintending order.	
	- this space intentionally left blank -	
A1/15	TOTAL AMOUNT (RM)	

ITEM	DESCRIPTION	AMOUNT (RM)
	<p><u>COLLECTION</u></p> <p>From Page A1/1</p> <p>From Page A1/2</p> <p>From Page A1/3</p> <p>From Page A1/4</p> <p>From Page A1/5</p> <p>From Page A1/6</p> <p>From Page A1/7</p> <p>From Page A1/8</p> <p>From Page A1/9</p> <p>From Page A1/10</p> <p>From Page A1/11</p> <p>From Page A1/12</p> <p>From Page A1/13</p> <p>From Page A1/14</p> <p>From Page A1/15</p>	
TOTAL PRELIMINARIES AND GENERAL CONDITIONS - CARRIED TO RINGKASAN TENDER:		

APPENDIX A/1A

LIST OF ESTIMATED QUANTITY FOR S.O.'S PERSONAL PROTECTIVE EQUIPMENT (PPE)

No.	Items	Cost of Projects			
		< RM 5 Mil	RM 5 Mil RM 20 Mil	>RM 20 mil RM 50 mil	> RM 50 mil
1.	Safety Boots	5 pairs	10 pairs	15 pairs	20 pairs
2.	Safety Helmets	5 pcs	10 pcs	15 pcs	20 pcs
3.	Full Body Harness (for working at height) if required	If required	If required	If required	If required
4.	Protective gloves	If required	If required	If required	If required
5.	Safety Goggles	If required	If required	If required	If required
6.	Safety Jackets of reflective type	If required	If required	If required	If required
7.	Ear plugs and muffs	If required	If required	If required	If required
8.	Dust masks	If required	If required	If required	If required
9.	Head lamp	If required	If required	If required	If required
10. (insert other item if required)				

* The Contractor shall provide necessary space/furniture for storage

LIST OF S.O'S FACILITIES AND EQUIPMENT

NO.	ITEM	QUANTITY	RATE	AMOUNT (RM)
1.	Set Komputer Lengkap (Desktop) dan Printer	2		
4.	Projektor	1		
TOTAL CARRIED TO PAGE NO.A1/9 C				

Notes:
All software to be supplied under this Contract shall be original and legal copies. The software shall be registered under the name of the Contractor. The Contractor shall submit all documentation evidence of the originality and legality of the software. The Contractor shall pay for all related license renewal fees and charges, warranty, maintaining functionality of operations for all software provided throughout the contract period.

LIST OF S.O'S TRANSPORT SERVICES

LIST OF LABORATORY EQUIPMENT

REQUIREMENTS OF SAFETY AND HEALTH PLAN (S-PLAN)

1. Project Introductions.
2. Management Responsibility.
3. OSH Programme.
4. Hazard Identification, Risk Assessment and Determining Control (HIRADC).
5. Safety and Health Control Form 6. Permit to Work (PTW).
7. Fire Precaution and Protection and Emergency Respond.
8. Safety Operation Procedure.
9. Investigation and Incident Report.
10. Occupational Safety and Health Statistics and Record.
11. Employee Health Examination.
12. Safety, Health and Welfare.
13. List of Machines, Equipment and Plant.
14. Traffic Control at Construction Site.
15. Personnel Protective Equipment (PPE).

Whenever there is any dispute arise, item listed as per Prosedur Kawalan Keselamatan dan Kesihatan Pekerjaan JKR.PK(O).04B (Format Pelan Keselamatan dan Kesihatan Pekerjaan, S-PLAN) under the latest version of Sistem Pengurusan Bersepadu (SPB), JKR shall be referred.

APPENDIX A/6

APPENDIX A/7

TABLE A2: ENVIRONMENTAL QUALITY STANDARDS TO BE COMPLIED WITH BY THE CONTRACTOR

Aspects	Parameter	JKR Minimum Requirement for Non-EIA Projects	Environment Quality (Sewage) Regulations, 2009		National Water Quality Standards (NWQS)	
			Standard A	Standard B	Class IIA	Class IIB
Soil	Soil loss	Minimum earthwork Phase construction ≤ 6 berms/benches for slopes (≤ 6m per berm) Reuse topsoil				
Water ^{1,2}	Turbidity	≤ 200 NTU	-	-	≤ 50 NTU	
	Suspended Solid	≤ 100 mg/l	≤ 50 mg/l	≤ 100 mg/l	≤ 50 mg/l	
	Biochemical Oxygen Demand ₅ @ 20°C (BOD) ₅	≤ 50 mg/l	≤ 20 mg/l	≤ 50 mg/l	≤ 3 mg/l	
	Chemical Oxygen Demand (COD)	≤ 100 mg/l	≤ 120 mg/l	≤ 200 mg/l	≤ 25 mg/l	
	pH	5.5 – 9	6 – 9	5.5 – 9	6-Sep	
	E-Coli	≤ 400 counts / 100 ml	-	-	≤100 counts/ 100ml	≤400 counts / 100 ml
	Dissolved Oxygen(DO)	≥ 4 mg/l	-	-	5-7 mg/l	
	Oil and Grease	≤ 10 mg/l	≤ 5 mg/l	≤ 10mg/l	≤ 40 µg /l, N	
	Ammoniacal Nitrogen (river)	-	≤ 10 mg/l	≤ 20mg/l	≤ 0.3 mg /l	
Silt trap and sediment basin discharge	Turbidity	≤ 250 NTU				
	Total Suspended Solid	≤ 50 mg/l				
Air ³	Particulate Matter (PM ₁₀) (24hr) Particulate Matter (PM _{2.5}) (24hr)		≤120 µg/m ³ /day ≤50 µg/m ³ /day			
Noise ⁴	Equivalent Noise Level (L _{eq}), L ₁₀ , L ₉₀		Receiving Land Use (residential)			
			Day time (7.00 am – 7.00 pm) L ₉₀ ≤ 60 dBA; L ₁₀ ≤75 dBA; L _{max} ≤ 90 dBA;			
			Evening (7.00 pm – 10.00 pm) L ₉₀ ≤55 dBA; L ₁₀ ≤70 dBA; L _{max} ≤ 85 dBA;			
			Night time (10.00 pm – 7.00 am) Noise Sensitive Areas : L _{Aeq} ≤40 dBA			
			Suburban Areas : L _{Aeq} ≤ 45 dBA			
			Urban Areas : L _{Aeq} ≤ 50 dBA			
Vibration ⁵	Vertical Vibration Peak Velocity (mm/s)		Not more than 3 mm/s at receiver location or across real property boundary.			

Reference:

1) 2nd Schedule (Regulation 7), Environmental Quality (Sewage) Regulations 2009, Environmental Quality Act 1974.

Standard A: For location with downstream water intake.

(ii) Standard B: For location with no downstream water intake.

2) National Water Quality Standards for Malaysia:

(i) Class IIA: Water Supply II – conventional treatment required.

a. Fishery II – sensitive aquatic species.

(ii) Class IIB: Recreational use with body contact.

3) Recommended Malaysian Guidelines on Ambient Air Quality.

4) Schedule 1 & Schedule 6, Planning Guidelines for Environmental Noise Limits & Control, (DOE, 2004).

5) Planning Guidelines for Vibration Limits and Control of the Environment (DOE, 2004).

KERJA-KERJA SENGARA DAN BAIKPULIH FASILITI DI SEKOLAH DAN LAIN-LAIN KERJA BERKAITAN DI SK. SUNGAI TONG (TAWARAN SEMULA)

BUILDING SUMMARY

ITEM	DESCRIPTION	PAGE	AMOUNT (RM)
B	<u>BUILDING WORKS (All Quantities are Provisional)</u>		
1	DEMOLITION WORKS (All Quantities are Provisional)	BQ B1/8	
2	APRON AND PERIMETER DRAIN (All Quantities are Provisional)	BQ B2/4	
3	FRAME (All Quantities are Provisional)	BQ B3/1	
4	ROOF STRUCTURE & COVERING (All Quantities are Provisional)	BQ B4/8	
5	EXTERNAL DOORS & WINDOWS (All Quantities are Provisional)	BQ B5/4	
6	EXTERNAL FLOOR FINISHES (All Quantities are Provisional)	BQ B6/1	
7	INTERNAL FLOOR FINISHES (All Quantities are Provisional)	BQ B7/3	
8	EXTERNAL CEILING FINISHES (All Quantities are Provisional)	BQ B8/1	
9	INTERNAL CEILING FINISHES (All Quantities are Provisional)	BQ B9/1	
10	EXTERNAL WALL FINISHES (All Quantities are Provisional)	BQ B10/1	
11	INTERNAL WALL FINISHES (All Quantities are Provisional)	BQ B11/3	
12	BUILT IN-FURNITURE (All Quantities are Provisional)	BQ B12/1	
13	SANITARY FITTINGS (All Quantities are Provisional)	BQ B13/1	
TOTAL AMOUNT OF BUILDING WORKS TO BE CARRIED TO RINGKASAN TENDER			

BILL NO. B1 - DEMOLITION WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 1 - DEMOLITION WORKS (ALL QUANTITIES ARE PROVISIONAL)</u></p> <p>Note:</p> <p>The tenderer shall visit and fully acquaint himself with the full extent and character of the work described hereunder and no claims for variation, alteration and additional payment will at any time be considered or admitted on the ground of lack of knowledge of the works, lack of information, deficiency of description on the part of the Tenderer.</p> <p>The tenderer shall take special care and attention in carrying out the works and shall be liable to rectify at his own expense any injury or damage whatsoever to existing works and property arising out of or in the course of or by reason of the execution of the Works.</p> <p>All UNUSABLE materials arising from demolition works shall be removed from the site.</p> <p>The Contractor shall also price any other items not included in the breakdown of tender but specifically shown in the drawing and necessary for the proper completion of the entire project.</p> <p>All the Approximate Quantities are as a guide only and Contractor shall study the drawings and specifications and visit the site to determine the actual quantities involved etc. so as to satisfy himself as to the dimensions indicated on the Drawings.</p>				
TO COLLECTION				RM	-

BILL NO. B1 - DEMOLITION WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 1 : DEMOLITION WORKS (ALL QUANTITIES ARE PROVISIONAL)</u> <u>Existing Apron</u> <u>Remove existing apron including structure, make good all disturbed works, to receive new works, and carting away debris to contractor's own dump.</u>				
A	Blok G (Bangunan kelas)	M2	300		
	<u>Remove surface existing apron make good all disturbed workand carting away debris to contractor's own dump.</u>				
B	Blok C (Bangunan makmal komputer)	M2	15		
C	Laluan berbumbung	M2	20		
D	Blok H (Makmal Sains)	M2	45		
	<u>Existing Perimeter drain</u> <u>Demolish, remove and reconstruction of affected existing perimeter drain within the working areas</u>				
E	Longkang U saiz 225mm Blok G (Bangunan Kelas)	M	120		
F	Blok H (Makmal Sains)	M	51		
G	Longkang V saiz 400mm Luar Bangunan	M	100		
	<u>Existing Ceiling</u> <u>Remove existing ceiling including timber framing, make good all disturbed works, clear debris from site and prepare to receive new works</u>				
H	Blok F (Bangunan Kelas)	M2	620		
J	Blok G (Bangunan Kelas)	M2	673		
K	Blok H (Makmal Sains)	M2	155		
TO COLLECTION				RM	

BILL NO. B1 - DEMOLITION WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 1 - DEMOLITION WORKS (ALL QUANTITIES ARE PROVISIONAL)</u> <u>Existing Door Leaves</u> <u>Carefully take down and dismantle existing single leaf door , make good all disturbed works, clear debris from site and prepare to receive new works</u>				
A	Blok G (Bangunan kelas)	No	1		
B	Blok F (Makmal Sains)	No	1		
C	Pondok Jaga	No	1		
	Ditto double leaves ditto				
D	Blok G (Bangunan kelas)	No	6		
E	Blok F (Makmal Sains)	No	2		
	<u>Existing Door Frame</u> <u>Carefully take down and dismantle existing door frame, make good all disturbed works, clear debris from site and prepare to receive new works</u>				
F	Single leaf (1000mm X 2100mm) Bangunan Blok G	No	1		
G	Single leaf (750mm X 2100mm) Bangunan Blok G	No	21		
H	Double leaf (1360mm X 2100mm) Bangunan Blok G	No	6		
TO COLLECTION				RM	

BILL NO. B1 - DEMOLITION WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 1 - DEMOLITION WORKS (ALL QUANTITIES ARE PROVISIONAL)</u> <u>Existing wire mesh Lourves vents Window</u> <u>Carefully take down and dismantle existing galvanised wire mesh lourves vents window , make good all disturbed works, clear debris from site and prepare to receive new works</u> 1500mm X 700mm A Blok A (Bangunan Pejabat) No 3 900mm X 700mm B Blok B (Bangunan kelas/ bilik pemulihan) No 18 <u>Existing lourves vent window frame</u> <u>Carefully take down and dismantle existing galvanised wire mesh lourves vents window frame make good all disturbed works, clear debris from site and prepare to receive new works</u> 500mm X 700mm C Blok G (Bangunan Kelas) No 4 1800mm X 700mm D Blok G (Tandas) No 6 <u>Existing Adjustable Lourvers Window</u> <u>Carefully take down and dismantle existing adjustable louvre window, make good alldisturb works, clear debris from site and prepare to receive new works</u> 700mm X 1200mm E Blok F (Bangunan Kelas) No 100 F Blok D (Bangunan Surau) No 16				
TO COLLECTION				RM	

BILL NO. B1 - DEMOLITION WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 1 - DEMOLITION WORKS (ALL QUANTITIES ARE PROVISIONAL)</u></p> <p><u>Existing Adjustable Lourvers Window frame</u></p> <p><u>Carefully take down and dismantle existing adjustable louvre window frame, make good all disturb works, clear debris from site and prepare to receive new works</u></p> <p>A 2700mm X 1800mm Blok G (Bangunan kelas) No 4</p> <p>B 1800mm X 700mm Blok G (Bangunan kelas) No 4</p> <p><u>Existing Floor Finishes</u></p> <p><u>Remove existing floor finishes including screed ,make good all disturbed works, to receive new works, and carting away debris to contractor's own</u></p> <p>C <u>Tandas Blok G (Bilik Kelas)</u> Tandas Guru M2 23</p> <p>D Tandas Murid M2 45</p> <p><u>Existing Wall Finishes</u></p> <p><u>Remove existing wall finishes including screed, make good all disturbed works, to receive new works, and carting away debris to contractor's own</u></p> <p>E <u>Tandas Blok G (Bilik Kelas)</u> Tandas Guru M2 65</p> <p>F Tandas Murid M2 131</p> <p>G Tiang Kantin M2 8</p>				
TO COLLECTION				RM	

BILL NO. B1 - DEMOLITION WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 1 - DEMOLITION WORKS (ALL QUANTITIES ARE PROVISIONAL)</u> <u>Existing built-in furniture</u> <u>Demolish and remove existing built in furniture and make good all disturbed works to replace new work, clear debris from site and prepare to receive new works</u> <u>Blok I (Kantin)</u> A Meja kabinet (1700mm x 820mm) NO 4 <u>Blok D (Surau)</u> B Meja kabinet (2000mm x 820mm) No 4 <u>Existing Roof</u> <u>Remove existing timber roof structure & covering, make good all disturbed works, to receive new works, and carting away debris to contractor's own dump.</u> C Blok F (Bangunan Kelas) M2 442 D Blok G (Bangunan Kelas) M2 793 E Blok H (Bangunan Makmal Sains) M2 155 <u>Remove existing covering, make good all disturbed works, to receive new works, and carting away debris to contractor's own dump.</u> F Blok A (Bangunan Pentadbiran) M2 264 G Blok B (Bangunan Kelas) M2 414 H Blok D (Bangunan Surau) M2 396 J Blok E (Bangunan Pra Sekolah) M2 260 <u>Existing column (153mm X 153mm X 2.95 high)</u> <u>Remove existing column, make good all disturbed works, to receive new works, and carting away debris to contractor's own dump.</u> K Blok F (Bangunan kelas) No 1				
TO COLLECTION				RM	

BILL NO. B1 - DEMOLITION WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 1 - DEMOLITION WORKS (ALL QUANTITIES ARE PROVISIONAL)</u></p> <p><u>Remove existing fascia boards. make good all disturbed works. clear debris from site and prepare to receive new works</u></p>				
A	<p>Blok I (Bangunan kantin)</p> <p><u>Existing Sanitary Fittings</u></p> <p><u>Remove existing sanitary fittings . make good all disturbed works. clear debris from site and prepare to receive new works</u></p> <p><u>Blok G (Bilik Kelas)</u> Tandas murid lelaki dan perempuan</p>	M	88		
B	Sink	No	8		
C	mangkuk tandas	No	11		
D	Kepala paip	No	19		
E	Cemin muka	No	8		
F	Cistren flush	No	11		
	<u>Tandas Guru</u>				
G	Sink	No	3		
H	mangkuk tandas	No	5		
J	Kepala paip	No	8		
K	Cemin muka	No	3		
L	Cistren flush	No	5		
	<u>Blok I (Bangunan Kantin)</u>				
M	Kepala paip	No	8		
N	Sink	No	8		
TO COLLECTION				RM	

BILL NO. B1 - DEMOLITION WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 1 - DEMOLITION WORKS (ALL QUANTITIES ARE PROVISIONAL) (CONT'D)</u></p> <p><u>COLLECTION</u></p> <p>From Page BQ B1/1</p> <p>From Page BQ B1/2</p> <p>From Page BQ B1/3</p> <p>From Page BQ B1/4</p> <p>From Page BQ B1/5</p> <p>From Page BQ B1/6</p> <p>From Page BQ B1/7</p> <p>From Page BQ B1/8</p>				
<p>Summary To Be Carried to Building Summary</p>				RM	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 2 - APRON AND PERIMETER DRAINS</u> <u>(ALL PROVISIONAL) (CONT'D)</u></p> <p><u>APRON</u></p> <p><i>Excavating to reduce level</i></p> <p>Maximum depth not exceeding 1.00m deep</p>				
A	<p>Blok G (Bangunan kelas)</p>	M3	167		
	<p><u>FILLING</u></p> <p><u>Hardcore spread, levelled, well ram, watered and blinded on top with sand as specified</u></p> <p>350mm thick to receive apron</p>				
B	<p>Blok G (Bangunan kelas)</p>	M3	90		
	<p><u>CONCRETE WORKS</u></p> <p><u>Plain concrete Grade C12/15 blinding screed as specified</u></p>				
C	<p>Blok G (Bangunan kelas)</p>	M3	13		
	<p><u>Vibrated Reinforced Concrete Grade 30 as specified</u></p>				
D	<p>Blok G (Bangunan kelas)</p>	M3	39		
	<p><u>20mm Thick cement and sand; in apron slab</u></p>				
E	<p>Blok G (Bangunan kelas)</p>	M3	13		
TO COLLECTION					RM

BILL NO. B 2 - APRON AND PERIMETER DRAINS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 2 - APRON AND PERIMETER DRAINS</u> <u>(ALL PROVISIONAL) (CONT'D)</u></p> <p><u>WATERPROOFING AND ASPHALT WORK</u> <u>FLOORING AND UNDERLAY</u></p> <p><u>Waterproofing Membrane</u></p> <p><i>Layer of 0.5mm thick heavy duty Polyflex Polythene or approved equivalent sheet moisture barrier laid on lean concrete (measured separately) with 300mm (minimum) laps at joints (measured nett- no allowance made for laps)</i></p> <p>To receive apron slab</p>				
A	<p>Blok G (Bangunan kelas)</p> <p><u>REINFORCEMENT</u></p> <p><u>Reinforcement bars; hot plain round high tensile</u></p> <p>2 Layer of reference steel fabric reinforcement <u>BRC A 393 as specified :-</u></p> <p>In ground slab (top and bottom)</p>	M2	300		
B	<p>Blok G (Bangunan kelas)</p> <p><u>FORMWORK</u></p> <p><u>Class F1 formworks as specified to foundation and</u></p> <p>To edges of ramp slabs not exceeding 250mm high</p>	M2	300		
C	<p>Blok G (Bangunan kelas)</p>	M	60		
TO COLLECTION					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 2 - APRON AND PERIMETER DRAINS</u> <u>(ALL PROVISIONAL) (CONT'D)</u></p> <p>DRAINAGE</p> <p><u>Perimeter Drain</u></p> <p>Half round concrete cast in suitable leght, finished fair on exposed surfaces, bedded, jointed and pointed in cement mortar (1:3) on and including all necessary excavation,formwork, junctions and ends, disposal of surplus excavated material and including hacking and make good any defect and all associated works deemed to be done,</p> <p><u>Longkang U saiz 300mm</u></p> <p>A Blok G (Bangunan Kelas) M 120</p> <p>B Blok H (Bangunan makmal sains) M 51</p> <p><u>Longkang V saiz 450mm</u></p> <p>C Luar Bangunan M 100</p> <p><u>Mild Steel Grating</u></p> <p><i>Mild steel grating comprising of 63 x 9 thk. hot dipped galvanised mils steel & 63 x 6 thk. hot dipped galvanised mild steel all welded together complete with 2 nos. hinge pin and 10mm Diameter mild steel bolts complete with washer and nuts and bolted to 40mm x 40mm x 6mm mild steel plate and embedded into concrete with fishtail, including priming with one coat metallic primer, one undercoat and two coats gloss enamel paint as specified and placed over rebated concrete up stand all as per drawing no.</i></p> <p>300mm perimeter drain</p> <p>D Blok G (Bilik Kelas) No 10</p>				
TO COLLECTION					RM

BILL NO. B 2 - APRON AND PERIMETER DRAINS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 1 - APRON AND PERIMETER DRAINS</u> <u>(ALL QUANTITIES ARE PROVISIONAL) (CONT'D)</u></p> <p><u>COLLECTION</u></p> <p>From Page BQ B2/1</p> <p>From Page BQ B2/2</p> <p>From Page BQ B2/3</p> <p>From Page BQ B2/4</p>				
<p>Summary To Be Carried to Building Summary</p>					RM

BILL NO. B 3 - FRAME

Item	Description	Unit	Qty	Rate (RM)	Amount (RM)
A	<u>ELEMENT 3 : FRAME (ALL PROVISIONAL)</u> <u>(CONT'D)</u>				
	<u>Timber column</u> <u>The following in wrot presure - treated S.G 1 timber unless otherwise stated.</u> Blok F (Bangunan kelas)	No	1		
	Summary To Be Carried to Building Summary				

BILL NO. B4 - ROOF STRUCTURE & COVERING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
A	<p>ELEMENT 4 - ROOF STRUCTURE & COVERING (ALL PROVISIONAL)</p> <p><u>Contractor's Proposed Proprietary Prefabricated</u> Notes:-</p> <p>The Contractor shall design, fabricate and deliver to site and furnish at his expenses all necessary materials, tools, hoist, staging, temporary bracing etc. for the safe and proper erection of the prefabricated roof trusses either prefabricated Cold Formed Steel Roof Trusses or Prefabricated Timber Roof Trusses (hereinafter call PRT) complete rafters, top and bottom chords, bracings and tie-down , struts, bearers, truss connectors, straps,wall plates, connections, other associated ancillary fixing products and methods and obvious items required for the works to ensure that all items act together as an integral structure that is structurally stable under all the specified combinations of loading conditions, all to the approval of the S.O. The design of the PRT shall be by an approved System Provider (S.P) by JKR and fabricated by a fabricator as defined and in accordance with either JKR-20601-0270-22: Specification for Prefabricated Cold Formed Steel Roof Trusses or JKR-20600-0020-99 : Specification for Fabricated Timber Roof Trusses and Architect's drawings. The list of the approved S.P is specified in the Appendix of the</p> <p>The Contractor shall note that PRT shall de designed to suit the ceiling, the location of of water tanks, roof coverings, mechanical and electrical (M&E) facilities and whatever load deemed necessary for the functional purpose of the building. The water tank shall no supported bt the PRT.In the case where the PRT are designed at centres which do not suit or facilitate the fixing of the ceiling joist, the contractor shall include in his design of the PRT for any bearers, the beams, ceiling joist, etc. required to facilitate the ceiling panels. The contractor shall also in his design, facilitate the fixing of timber rafter and its components used as an architectural feature along the eaves of the PRT.</p>	Item			
TO COLLECTION					RM

BILL NO. B4 - ROOF STRUCTURE & COVERING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>Rates to includes:-</u></p> <p>Rates for the PRT and rafter shall include all necessary materials, fabricating, delivery to site, hoisting and fixing in position, all fixing accessories including holding down bolt or ram setting, all ancillary item and temporary works for the complete installation of the PRT.</p> <p>Rates for the PRT shall also include for design fees, testing for compliance, quality assurance and control and all other necessary cost for patent right design, trademark or name.</p> <p>Design, supply, fabricated and deliver to site Cold Formed Steel Roof Trusses/Timber Roof Trusses including fixing and hoisting in position all fabricated PRT rafters,chords, bearers, tie down and bracings, strut, wall plate, connectors and fixings, straps and other associated ancillary fixing products and other associated works, materials and labour required for the complete installation of the PRT to the approval of the S.O (measured flat on</p>				
A	Roof area ; approximately 3.20m High above ground floor level Approximately area (measured flat on plan) : 756.84m2 (Blok F - Bangunan kelas)	Item	757		
B	Roof area ; approximately 3.20m High above ground Approximately area (measured flat on plan) : (Blok H - Makmal Sains)	Item	189		
C	Roof area ; approximately 10.8m High above ground Approximately area (measured flat on plan) : (Blok G - Bilik Kelas)	Item	781		
TO COLLECTION				RM	

BILL NO. B4 - ROOF STRUCTURE & COVERING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p>ELEMENT 4 - ROOF STRUCTURE & COVERING (ALL PROVISIONAL) (CONT'D)</p> <p><u>ROOF COVERINGS</u></p> <p><u>The Contractor shall note that he shall be solely responsible for the adequacy and the sufficiency of the PRT roof trusses</u></p> <p><u>Light weight steel roof trusses AZ150 with and including all necessary supports purlins and associated members as specified including design and built supply fabrication, erection, fixing and hoisting in position. All fasteners to comply with AS3566 class 3. All connection joints (Brackets) shall be galvanised or either ZINCALUME steel AZ150 G550 coated. All anchor bolts shall be zinc coated.</u></p> <p><u>Sloping; 35° pitch roof</u></p>				
A	Blok F (Bangunan kelas)	M2	756.84		
B	Blok G (Bangunan Kelas)	M2	781.25		
C	Blok H (Bangunan Makmal Sains)	M2	188.64		
	<u>Ridge capping</u>				
D	Blok F (Bangunan kelas)	M	50		
E	Blok G (Bangunan Kelas)	M	54		
F	Blok H (Bangunan Makmal Sains)	M	15		
TO COLLECTION				RM	

BILL NO. B4 - ROOF STRUCTURE & COVERING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p>ELEMENT 4 - ROOF STRUCTURE & COVERING (ALL PROVISIONAL) (CONT'D)</p> <p><u>Underlay</u></p> <p><u>Approved layer of rockwool insulation fire retardant double sided reflective alumium foil on insulation and fixed to steel structure (measured nett - no allowance made for laps)</u></p>				
A	Blok F (Bangunan Kelas)	M2	756.84		
B	Blok G (Bangunan Kelas)	M2	781.25		
C	Blok H (Bangunan Makmal Sains)	M2	188.64		
	<p><u>50mm Thick fibre glass wool insulation with R-Value @ R2.00 quality laid on roof trusses and including 24 gauge 50mm hexagon wire mesh (measured nett - no allowance made for laps)</u></p>				
D	Blok F (Bangunan kelas)	M2	756.84		
E	Blok G (Bangunan Kelas)	M2	781.25		
F	Blok H (Bangunan Makmal Sains)	M2	188.64		
	<p><u>FASCIA BOARD</u></p> <p>230mm x 20mm cemboard fascia board</p>				
G	Blok F (Bangunan kelas)	M	125		
H	Blok G (Bangunan Kelas)	M	131.2		
J	Blok H (Bangunan Makmal Sains)	M	51		
TO COLLECTION				RM	

BILL NO. B4 - ROOF STRUCTURE & COVERING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	ELEMENT 4 - ROOF STRUCTURE & COVERING (ALL PROVISIONAL) (CONT'D) <u>PAINTING WORKS</u> <u>Prepare and apply one coat of approved alkali resisting sealer and two coats of emulsion paint as specified</u> Fascia 230mm x 20mm cemboard fascia board				
A	Blok F (Bangunan kelas)	M2	130		
B	Blok G (Bangunan Kelas)	M2	33		
C	Blok H (Bangunan Makmal Sains)	M2	12		
	<u>ROOF COVERINGS</u> <u>Supply and install interlocking galvanised steel roofing sheets (0.48mm thick) as speciefied decking secured to timber purlins (measured separately) as per manufacturer's specification and approved by the S.O's</u>				
D	Blok A (Bangunan Pentadbiran)	M2	292		
E	Blok B (Bangunan Kelas)	M2	449		
F	Blok D (Bangunan Surau)	M2	438		
G	Blok E (Bangunan Pra Sekolah)	M2	290		
	<u>Ridge capping</u>				
H	Blok A (Bangunan Pentadbiran)	M	21		
J	Blok B (Bangunan Kelas)	M	46		
K	Blok D (Bangunan Surau)	M	32		
L	Blok E (Bangunan Pra Sekolah)	M	20		
TO COLLECTION				RM	

BILL NO. B4 - ROOF STRUCTURE & COVERING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	ELEMENT 4 - ROOF STRUCTURE & COVERING (ALL PROVISIONAL) (CONT'D) <u>UNDERLAY</u> <u>Approved layer of rockwool insulation fire retardant double sided reflective alumium foil on insulation and fixed to steel structure (measured nett - no allowance made for laps)</u>				
A	Blok A (Bangunan Pentadbiran)	M2	292		
B	Blok B (Bangunan Kelas)	M2	449		
C	Blok D (Bangunan Surau)	M2	438		
D	Blok E (Bangunan Pra Sekolah)	M2	290		
	<u>50mm Thick fibre glass wool insulation with R-Value @ R2.00 quality laid on roof trusses and including 24 gauge 50mm hexagon wire mesh (measured nett - no allowance made for laps)</u>				
E	Blok A (Bangunan Pentadbiran)	M2	292		
F	Blok B (Bangunan Kelas)	M2	449		
G	Blok D (Bangunan Surau)	M2	438		
H	Blok E (Bangunan Pra Sekolah)	M2	290		
	<u>FASCIA BOARD</u>				
J	230mm x 20mm cemboard fascia board				
K	Blok A (Bangunan Pentadbiran)	M	65		
L	Blok B (Bangunan Kelas)	M	108		
M	Blok D (Bangunan Surau)	M	86		
N	Blok E (Bangunan Pra Sekolah)	M	64		
O	Blok I (Bangunan Kantin)	M	88		
TO COLLECTION				RM	

BILL NO. B4 - ROOF STRUCTURE & COVERING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	ELEMENT 4 - ROOF STRUCTURE & COVERING (ALL PROVISIONAL) (CONT'D)				
	<u>PAINTING WORKS</u>				
	<u>Prepare and apply one coat of approved alkali resisting sealer and two coats of emulsion paint as specified</u>				
	<u>Fascia</u>				
A	Blok A (Bangunan Pentadbiran)	M2	1		
B	Blok B (Bangunan Kelas)	M2	2		
C	Blok D (Bangunan Surau)	M2	1		
D	Blok E (Bangunan Pra Sekolah)	M2	1		
E	Blok I (Bangunan Kantin)	M2	1		
	PAINTING WORK ROOF				
	<u>Make good (water jet,rubbed down, scrapping etc) and</u> <u>Prepare and apply one coat approved alkali resisting sealer and two coats of acrylic weather resistant paint with anti algae & anti fungal, 2 times</u> Existing concrete roof tiles				
F	Kantin (Blok I)	M2	443		
TO COLLECTION					RM

BILL NO. B4 - ROOF STRUCTURE & COVERING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p>ELEMENT 4 - ROOF STRUCTURE & COVERING <u>(ALL PROVISIONAL) (CONT'D)</u></p> <p>From Page BQ B4/1</p> <p>From Page BQ B4/2</p> <p>From Page BQ B4/3</p> <p>From Page BQ B4/4</p> <p>From Page BQ B4/5</p> <p>From Page BQ B4/6</p> <p>From Page BQ B4/7</p> <p>From Page BQ B4/8</p>				
<p>SUMMARY</p> <p>To Be Carried to Building Summary</p>					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 5 - WINDOWS, VENTS AND EXTERNAL DOORS</u> <u>(ALL PROVISIONAL)</u></p> <p><u>EXTERNAL DOORS</u></p> <p>Nota :- the whole of works are to be caried out in approved manner by the S.O and in conjunction with the relevent drawing and specifications.</p> <p>Supply and fixed door complete on position with approved type and thickness complete with frame, door closer, door stopper, ironmongery and all including painting and finishing all as per drawings no.</p> <p>JKR/CA/11/135/T17/038(A)/BD/01, JKR/CA/11/135/T17/038(A)/BN/01, JKR/CA/11/135/T17/038(A)/BN/02, JKR/CA/11/135/T17/038(A)/BD/01, JKR/CA/11/135/T17/038(A)/BN/03 ...BRBF/PN/PIA/BD/S/01,</p> <p><u>Single leaf PVC flush door or other approved</u> Overall size 750mm x 2100mm</p>				
A	<p>Blok G (Bangunan kelas)</p> <p>Overall size 900mm x 2100mm high (Type P22)</p>	No	21		
B	Blok G (Bangunan kelas)	No	1		
C	Blok H (Makmal Sains)	No	1		
D	<p>Pondok Jaga</p> <p><u>Double leaf hardwood panel door or other approved</u> Overall size 1800mm x 2100mm high (Type P9)</p>	No	1		
E	Blok G (Bangunan kelas)	No	6		
F	Blok H (Makmal Sains)	No	2		
TO COLLECTION					RM

BILL NO. B 5 - WINDOWS, VENTS AND EXTERNAL DOORS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 5 - WINDOWS, VENTS AND EXTERNAL DOORS</u> <u>(ALL PROVISIONAL) (CONT'D)</u> <u>EXTERNAL WINDOWS</u> <u>Aluminium window</u> Supply and fixed complete in position approved aluminium casement window complete with aluminium framing 'natural anodised with 5mm thick tinted glass with powder coated, beading, fixing screws and tinted glass all to manufacturer's detail <u>Overall size 700mm x 1200mm high</u>				
A	Blok F (Bangunan kelas)	No	100		
B	Blok D (Bangunan surau) <u>Adjustable louvre window</u> Supply and fixed complete in position approved self galvanised pressed steel adjustable louvre style with framing and fixing with 5mm thick tinted glass with powder coated, beading, fixing screws and tinted glass all to manufacturer's detail and as specified <u>Overall size 2700mm X 1800mm high</u>	No	16		
C	Blok G (Bangunan kelas) <u>Adjustable louvre vents window</u> <u>Overall size 700mm X 1800mm high</u>	No	4		
D	Blok G (Tandas) Overall size 600mm X 500mm high	No	12		
E	Blok G (Bangunan kelas)	No	12		
TO COLLECTION					RM

BILL NO. B 5 - WINDOWS, VENTS AND EXTERNAL DOORS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 5 - WINDOWS, VENTS AND EXTERNAL DOORS</u></p> <p><u>(ALL PROVISIONAL) (CONT'D)</u></p> <p><u>EXTERNAL VENTS</u></p> <p><u>Vents</u></p> <p>Supply and fixed complete in position approved aluminium vents complete with aluminium framing 'natural anodised with 5mm thick tinted glass with powder coated, beading, fixing screws and tinted glass all to manufacturer's detail and as specified..</p> <p><u>Overall size 1500mm X 700mm high</u></p>				
A	Blok A (Bangunan Pentadbiran)	No	3		
	<p><u>Overall size 900mm X 700mm high</u></p>				
B	Blok B (Bangunan Kelas/ bilik pemulihan)	No	18		
TO COLLECTION					RM

BILL NO. B 5 - WINDOWS, VENTS AND EXTERNAL DOORS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 5 - WINDOWS, VENTS AND EXTERNAL DOORS</u></p> <p><u>(ALL PROVISIONAL) (CONT'D)</u></p> <p><u>COLLECTION</u></p> <p>From Page BQ B5/1</p> <p>From Page BQ B5/2</p> <p>From Page BQ B5/3</p> <p>From Page BQ B5/4</p>				
<p align="right">Summary</p> <p align="right">To Be Carried to Building Summary</p>					RM

BILL NO. B6 - EXTERNAL FLOOR FINISHES

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 6 - EXTERNAL FLOOR FINISHES</u> <u>(ALL PROVISIONAL)</u> <u>Paving Work</u> <u>20mm Thick cement and sand (1:3) rendering with and approved plasticiser finishes with steel trowel as specified; externally</u> <u>To apron and floor; laid to fall</u>				
A	Blok C (Bangunan Makmal komputer)	M2	15		
B	Blok H (Bangunan Makmal Sains)	M2	45		
C	Laluan Berbumbung	M2	20		
	Termite treatment works				
	<u>Termite extermination works outside the building according to the instructions of the Superintendent</u>				
D	Blok A (Bangunan Pejabat)	L.S			
E	Blok B (Bangunan kelas)	L.S			
F	Blok C (Bangunan Makmal Komputer)	L.S			
G	Blok D (Bangunan Surau)	L.S			
H	Blok E (Bangunan Pra Sekolah)	L.S			
J	Blok F (Bangunan Kelas)	L.S			
K	Blok G (Bangunan Kelas)	L.S			
L	Blok H (Bangunan makmal Sanis)	L.S			
M	Blok I (Bangunan Kantin)	L.S			
N	Pondok Pengawal	L.S			
Summary To Be Carried to Building Summary					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 7 - INTERNAL FLOOR FINISHES</u> <u>(ALL PROVISIONAL)</u> <u>20mm Thick cement and sand (1:2) rendering as specified; steel trowelled; internally</u> <u>TILE WORKS</u> <u>To floor</u> <u>20mm Thick cement and sand (1:2) water proofed rendering as specified:-</u> A Tandas aras 1 Blok G (Bangunan Kelas) M2 60 B Tandas aras 2 Blok G (Bangunan Kelas) M2 30 <u>Anti-Slip Homogeneous Tiles</u> <u>600mm x 300mm x 8.5mm Thick anti-slip homogenous tiles laid in pattern, bedded, jointed and pointed in matching coloured cement as described on cement and sand screed (measured separately) as specified laid to pattern approved by the Architect; internally</u> C Tandas aras 1 Blok G (Bangunan Kelas) M2 60 D Tandas aras 2 Blok G (Bangunan Kelas) M2 30				
TO COLLECTION RM					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 7 - INTERNAL FLOOR FINISHES</u> <u>(ALL PROVISIONAL) (CONT'D)</u>				
	Termite treatment works				
	<u>Termite extermination works inside the building according to the instructions of the Superintendent</u>				
A	Blok A (Bangunan Pejabat)	L.S			
B	Blok B (Bangunan kelas)	L.S			
C	Blok C (Bangunan Makmal Komputer)	L.S			
D	Blok D (Bangunan Surau)	L.S			
E	Blok E (Bangunan Pra Sekolah)	L.S			
F	Blok F (Bangunan Kelas)	L.S			
G	Blok G (Bangunan Kelas)	L.S			
H	Blok H (Bangunan makmal Sanis)	L.S			
J	Blok I (Bangunan Kantin)	L.S			
K	Pondok Pengawal	L.S			
TO COLLECTION					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 7 - INTERNAL FLOOR FINISHES (CONT'D)</u>				
	<u>COLLECTION</u>				
	From Page BQ B7/1				
	From Page BQ B7/2				
	From Page BQ B7/3				
Summary To Be Carried to Building Summary					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 8 - EXTERNAL CEILING FINISHES</u> <u>(ALL PROVISIONAL)</u></p> <p><u>3.2mm Thick asbestos free fibre cement flat sheet "UAC SUPERFLEX FLAT SHEET" or other equal and approve as described ceiling lining set out symetrically from centre of room in panels of 1220mm x 610mm wide and fixing to timber ceiling joist, 100mm x 50mm at 1220mm centres and nogging, 50mm x 50mm at 610mm centres including trimming to all edges and all round columns :-</u></p> <p>Ceiling to height of not exceeding 3.50m high from floor</p>				
A	Blok A (Bangunan Pentadbiran)	M2	95		
B	Blok F (Bangunan Kelas)	M2	164		
C	Blok G (Bangunan Kelas)	M2	285		
D	Blok H (Bangunan Makmal Sains)	M2	68		
	<p><u>Painting</u></p> <p><u>Prepare and apply sealer, one undercoat and two finishing coats of emulsion paint as specified :-</u></p> <p>To flat sheet UAC SUPERFLEX</p>				
E	Blok A (Bangunan Pentadbiran)	M2	95		
F	Blok B (Bangunan Kelas)	M2	197		
G	Blok F (Bangunan Kelas)	M2	164		
H	Blok G (Bangunan Kelas)	M2	285		
J	Blok H (Bangunan Makmal Sains)	M2	68		
<p>Summary</p> <p>To Be Carried to Building Summary</p>				RM	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 9 - INTERNAL CEILING FINISHES</u> <u>(ALL PROVISIONAL)</u></p> <p><u>CEILING</u></p> <p><u>3.2mm Thick asbestos free fibre cement flat sheet "UAC SUPERFLEX FLAT SHEET" or other equal and approve as described ceiling lining set out symetrically from centre of room in panels of 1220mm x 610mm wide and fixing to timber ceiling joist, 100mm x 50mm at 1220mm centres and nogging, 50mm x 50mm at 610mm centres including trimming to all edges and all round columns :-</u></p> <p>Ceiling to height of not exceeding 3.50m high from floor</p>				
A	Blok F (Bangunan kelas)	M2	375		
B	Blok G (Bangunan Kelas 3 tingkat)	M2	380		
C	Blok H (Bangunan Makmal Sains)	M2	93		
	<p><u>Painting</u></p> <p><u>Prepare and apply sealer, one undercoat and two finishing coats of emulsion paint as specified :-</u></p> <p>To flat sheet UAC SUPERFLEX</p>				
D	Blok F (Bangunan kelas)	M2	375		
E	Blok G (Bangunan Kelas 3 tingkat)	M2	380		
F	Blok H (Bangunan Makmal Sains)	M2	93		
<p style="text-align: right;">Summary</p> <p>To Be Carried to Building Summary</p>					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 10 - EXTERNAL WALL FINISHES</u> <u>(ALL PROVISIONAL)</u> <u>Brickwall</u> <u>Claybricks as described bedded and jointed in cement mortar (1:6) with approved plasticiser; including "exmet" at every fourth course as specified</u> Wall; 150mm thick				
A	Blok F (Bangunan kelas) <u>Wall board</u> Approved wallboard	M2	2		
B	Blok F (Bangunan kelas) <u>Painting work</u> <u>Make good (rubbed down, scrapping etc) and Prepare and apply one coat approved alkali resisting sealer and two coats of acrylic weather resistant paint</u> Existing plastered wall & column	M2	4		
C	Blok B (Bangunan Kelas)	M2	288		
D	Blok C (Bangunan Makmal Komputer)	M2	195		
E	Blok F (Bangunan kelas)	M2	2		
F	Blok H (Bangunan Makmal Sains)	M2	159		
G	Blok I (Kantin) <u>Make good (rubbed down, scrapping etc) and Prepare and apply one coat approved alkali resisting primer and two coats of gloss enamel paint as specified :-</u> To timber surfaces	M2	84		
H	Blok B (Bangunan Kelas)	M2	38		
J	Blok F (Bangunan kelas)	M2	4		
Summary To Be Carried to Building Summary					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 11 - INTERNAL WALL FINISHES</u> <u>(ALL PROVISIONAL)</u> <u>CERAMIC TILES WORK</u> <u>20mm Thick cement and sand (1:2) waterproofed rendering as specified</u> <u>To walls</u>				
A	Tandas pelajar lelaki dan perempuan aras 1 (blok G)	M2	131		
B	Tandas Guru lelaki dan perempuan aras 2 (Blok G)	M2	65		
C	Blok I (Tiang Bangunan Kantin)	M2	8		
	<u>600mm x 300mm x 5mm Thick glazed ceramic tiles bedded, jointed and pointed in matching coloured cement as described on cement and sand screed (measured separately) as specified laid to pattern including tile edge trim approved by the Architect</u> <u>To walls</u>				
D	Tandas pelajar lelaki dan perempuan aras 1 (blok G)	M2	131		
E	Tandas Guru lelaki dan perempuan aras 2 (Blok G)	M2	65		
F	Blok I (Bangunan Kantin)	M2	8		
TO COLLECTION					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 11 - INTERNAL WALL FINISHES</u> <u>(ALL PROVISIONAL)</u> <u>PAINTING WORK</u> <u>Make good (rubbed down, scrapping etc) and Prepare and apply one coat of approved alkali resisting sealer and two coats of emulsion paint as specified</u> <u>Existing plastered wall and column</u>				
A	Blok C (Bangunan Makmal Komputer)	M2	192		
B	Blok F (Bangunan kelas)	M2	2		
C	Blok H (Bangunan Makmal Sains)	M2	159		
D	Blok I (Kantin)	M2	84		
	<u>Existing timber surface</u>				
E	Blok B (Bangunan Kelas)	M2	38		
F	Blok F (Bangunan kelas)	M2	4		
TO COLLECTION				RM	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 10 - INTERNAL WALL FINISHES</u> <u>(ALL PROVISIONAL)</u></p> <p><u>COLLECTION</u></p> <p>From Page BQ11/1</p> <p>From Page BQ11/2</p> <p>From Page BQ11/3</p>				
<p>Summary</p> <p>To Be Carried to Building Summary</p>					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT 12 - BUILT - IN - FURNITURE</u> <u>(ALL PROVISIONAL)</u></p> <p><u>The following built in furniture with all necessary fittings and approved ironmongeries and finished all exposed woodwork surfaces with two coats of clear varnish and finished metalwork, surfaces with one coat metallic primer and three coats of gloss enamel paint as specified and/or otherwise specified with and including all necessary works..</u></p>				
A	Blok I (Kantin) Laci Meja kabinet (1700mm x 820mm)	No	4		
B	Blok D (Surau) Meja kabinet (7500mm x 1500mm)	No	1		
<p>TO SUMMARY</p> <p>To Be Carried to Building Summary</p>					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT 13 - SANITARY FITTINGS</u> <u>(ALL PROVISIONAL)</u> <u>Nota : the whole of works are to be caried out in approved manner by the S.O and in conjunction with the relevent drawing and specifications.</u> <u>SANITARY INSTALLATION</u> <u>Blok I (Kantin)</u> Wash Basin A 576mm x 426mm wash basin in white vitreous china complete 'with 13mm chromium plated tap blank, tap hole stoper, 32mm 'P' trap including 38mm 'seal' waste fitting with chain and plug 'and paited bracket painted. B 12 mm diameter Kepala Paip bersadur kromium C Cermin Muka termasuk papan lapik <u>Blok G (Bangunan Kelas)</u> <u>Tandas murid lelaki dan perempuan</u> D Sink E mangkuk tandas F Kepala paip G Cemin muka H Cistren flush J Bekas sabun K Penyangkut <u>Tandas Guru</u> L Sink M mangkuk tandas N Kepala paip P Cemin muka Q Cistren flush R Bekas sabun S Penyangkut				
TO SUMMARY To Be Carried to Building Summary				RM	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT C - EXTERNAL WORKS (ALL PROVISIONAL)</u></p> <p><u>Nota : the whole of works are to be caried out in approved manner by the S.O and in conjunction with the relevent drawing and specifications.</u></p> <p><u>WATER RETICULATION</u></p> <p><u>Excavation service trenches starting from reduced level to falls; garden bottoms, earth work support; backfilled with material arising from excavations; remainder spread and levelled within site.</u></p> <p>To receive 50mm diameter pipe; not exceeding 2.00m depth for demostic line pipes</p>				
A	<p>Blok I (Bangunan Kantin)</p> <p><u>POLYSTEEL PIPE including all necessary short lenght, socket, connection, backnuts, elbow, bends, tees, plugs, reduces</u></p> <p>50mm diameter pipe laid in trench</p>	M	36		
B	<p>Blok I (Bangunan Kantin)</p>	M	30		
TO COLLECTION					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>ELEMENT C - EXTERNAL WORKS (ALL PROVISIONAL)</u> <u>(CONT'D)</u> <u>WATER RETICULATION</u> <u>Common water tank type HDPE poly tank (close top) as specified complete with all accessories and fittings of approved manufacturer to SATU approval hoisted and placed in position at approximately 6.0m above ground</u>				
A	200 gelen	No	1		
TO COLLECTION					RM

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<p><u>ELEMENT C - EXTERNAL WORKS (ALL PROVISIONAL)</u> <u>(CONT'D)</u></p> <p><u>COLLECTION</u></p> <p>From Page BQ C/1</p> <p>From Page BQ C/2</p> <p>From Page BQ C/3</p>				
<p>Summary</p> <p>To Be Carried to Ringkasan Tender</p>					RM

BILL NO. D - PRIME COST SUM

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
	<u>PRIME COST SUM</u>				
	<u>Notes:</u> <u>To Prime Cost shall be expended as directed by the superintending officer or deducated in whole or part if not required.</u>				
	<u>Electrical Works</u>				
A	Allow a Pime Cost Sum of Ringgit Malaysia Two Hundred Fifty Thousand Only (RM250,000.00) for electrical works	LS			250,000.00
B	Add for Profit%	%			
C	Add for Attendance	LS			
	<u>Mechanical Works</u>				
D	Allow a Pime Cost Sum of Ringgit Malaysia Two Hundred Seventy Thousand Only (RM270,000.00) for mechanical works	LS			270,000.00
E	Add for Profit%	%			
F	Add for Attendance	LS			
Summary				RM	
To Be Carried to Ringkasan Tender					

BILL NO. E - PROVISIONAL SUM

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (RM)
A	<u>PROVISIONAL SUM</u>				
	<u>Membaikpulihan Sistem Sewerage (Blok I) Bangunan Kantin.</u>				
	Allow a Provisional Sum of Ringgit Malaysia Twenty Thousand Only (RM20,000.00) for repair the Sewerage (Kantin)	LS			20,000.00
B	Add for Profit %	%			
C	Add for Attendance	LS			
Summary To Be Carried to Ringkasan Tender					RM