

BAHAGIAN BANGUNAN DAN PEMELIHARAAN
KEMENTERIAN HAL EHWAL UGAMA
NEGARA BRUNEI DARUSSALAM

TAWARAN SEBUT HARGA

BIL. SEBUT HARGA: KHEU / BDP / 164 / 012 / 2026

TERM CONTRACT FOR MAINTENANCE AND EMERGENCY WORKS TO PUSAT DAKWAH ISLAMIAH BUILDINGS AND COMPUND AREA IN
FOUR (04) DISTRICT, MINISTRY OF RELIGIOUS AFFAIRS, NEGARA BRUNEI DARUSSALAM.

10/05/2026
TARIKH TUTUP TAWARAN : 27 Mei 2026 Jam 2.00 PM

Syarat-syarat untuk mengikuti tawaran kerja sebut harga adalah seperti berikut :

1. Tawaran hanyalah dipelawa kepada syarikat / pemborong yang berdaftar dengan Kementerian Pembangunan Kelas I, II & III dan Kategori B01 SAHAJA di Negara Brunei Darussalam.
2. Tawaran-tawaran mestilah dibuat di atas borang-borang tawaran yang tercetak oleh Kementerian ini dan penerangan lanjut bagi mengikuti sebut harga bolehlah datang terus ke Unit Penyelaras dan Pemantauan Projek, Bahagian Bangunan Dan Pemeliharaan, Bangunan Pasar Basah, Jalan Residency, BS8111, Kementerian Hal Ehwal Ugama, Negara Brunei Darussalam.
3. Bagi Syarikat / Pemborong yang berminat untuk mengikuti tawaran sebut harga hendaklah mengikut proses-proses pembelian tawaran sebut harga seperti berikut:
 - i. Syarikat / pemborong hendaklah menyertakan salinan Sijil Pendaftaran 16 dan 17 yang dikeluarkan oleh Bahagian Pendaftaran Syarikat-Syarikat, Jabatan Peguam Negara, Negara Brunei Darussalam dan juga menyertakan salinan Sijil Pendaftaran Kontraktor Dan Pembekal, Kementerian Pembangunan, Negara Brunei Darussalam yang masih sah
 - ii. Syarikat / pemborong hendaklah membuat pembayaran B\$5.00 di Bahagian Kewangan, Tingkat 1, Kementerian Hal Ehwal Ugama atau melalui BIBD Online Payment bagi pembelian tawaran sebut harga.
 - iii. Setelah membuat pembayaran dan mendapatkan Resit Pembayaran bagi pembelian tawaran sebut harga, syarikat / pemborong hendaklah memuat turun (download) dokumen tawaran sebut harga di laman sesawang Kementerian Hal Ehwal Ugama: <https://www.mora.gov.bn/SitePages/Senarai%20Sebutharga.aspx>.
4. Borang-borang tawaran sebut harga hendaklah diisi dengan lengkap dan memasukkannya ke dalam sampul surat yang bertutup rapi ("Sealed Envelope") dengan menyertakan Salinan Resit Pembayaran, Sijil Pendaftaran 16 dan 17 dan Sijil Pendaftaran Kontraktor Dan Pembekal, Kementerian Pembangunan serta menulis Bilangan Tawaran, Nama Tawaran dan Tarikh Tutup tanpa membubuh sebarang pengenalan atau identiti syarikat atau pemborong.
5. Semua tawaran hendaklah dimasukkan ke dalam

**Peti Kotak Sebut harga
Tingkat 1 Bahagian Kewangan,
Bangunan Ibu Pejabat
Jalan Menteri Besar
Kementerian Hal Ehwal Ugama
Negara Brunei Darussalam**
6. Tawaran yang diterima lewat dari tarikh dan masa yang telah ditetapkan atau tawaran yang tidak lengkap, tidak akan dilayan atau diterima dan ianya tidak sah.
7. Kerajaan Kebawah Duli Yang Maha Mulia Paduka Seri Baginda Sultan Dan Yang Dipertuan Negara Brunei Darussalam melalui Kementerian Hal Ehwal Ugama, Negara Brunei Darussalam, tidak akan terikat untuk memilih sebarang tawaran yang lebih murah atau yang difikirkan tidak munasabah.


(Ar. HAJI AWANG ALMY BIN HAJI AWANG TAHIR)
Ketua Bahagian Bangunan dan Pemeliharaan
Kementerian Hal Ehwal Ugama
Negara Brunei Darussalam



MINISTRY OF RELIGIOUS AFFAIRS
JALAN MENTERI BESAR, BERAKAS BB33910
NEGARA BRUNEI DARUSSALAM

QUOTATION NO.: KHEU / BDP / 164 / 012 / 2026

PROJECT : TERM CONTRACT FOR MAINTENANCE AND EMERGENCY WORKS TO
PUSAT DAKWAH ISLAMIAH BUILDINGS AND COMPUND AREA IN FOUR
(04) DISTRICT, MINISTRY OF RELIGIOUS AFFAIRS, NEGARA BRUNEI
DARUSSALAM.

CLASS : I, II & III

CATEGORY : B01

10th M.
03 JUNE 2026

CLOSING DATE : WEDNESDAY 27 MAY 2026 NOT LATER THAN 2.00 PM

SUBMISSION : PETI KOTAK SEBUT HARGA
TINGKAT 1 BAHAGIAN KEWANGAN
BANGUNAN IBU PEJABAT
JALAN MENTERI BESAR
KEMENTERIAN HAL EHWAL
NEGARA BRUNEI DARUSSALAM



**TERM CONTRACT FOR MAINTENANCE AND EMERGENCY WORKS TO PUSAT DAKWAH ISLAMIAH BUILDINGS AND
COMPUND AREA IN FOUR (04) DISTRICT, MINISTRY OF RELIGIOUS AFFAIRS, NEGARA BRUNEI DARUSSALAM.**

TABLE OF CONTENT

<u>DESCRIPTION</u>	<u>PAGE</u>
1. TERMS AND CONDITIONS OF TENDERING (FOR QUOTATION WORKS)	TOC/1
2. FORM OF CONTRACT	FC/1
3. TERMS OF QUOTATION	TOQ/1 - TOQ/4
4. DECLARATION FORM	DF/1
5. GENERAL & PRELIMINARIES	B1/1 - B1/3
6. BILL OF QUANTITIES	
7. APPENDIX	AP/1 - AP/8
8. FORM A - SITE VISIT*	SV/1

* - *Buang jika tidak perlu*



TERMS AND CONDITIONS OF TENDERING (FOR QUOTATION WORKS)

1. Before tendering, the tenderer shall visit the site where the Works are to be carried out and shall also carefully examine the relevant Terms and Conditions of Contract, Drawings, Specification and all other accompanying schedules, etc.

If there is any ambiguity in or discrepancy between any of the documents, he / she should refer the matter to the Contract Administrator (C.A.), Building and Maintenance Section, Ministry of Religious Affairs. The C.A.'s decision shall be final and binding upon the Contract.

On tendering, the tenderer shall be deemed to have examined the documents referred to above and shall be bound by the terms and conditions therein.

2. Every tenderer must submit together all documents listed below and this requirement shall be strictly adhered to prior to any consideration :-

- (a) Copy of Receipt payment for the Quotation document from the Finance Section, Ministry of Religious Affairs.
- (b) Valid Tenderer's Registration Certificate from the Ministry Of Development.
- (c) Business Enactment Act Section 16 & 17.
- (d) The Tender Form **MUST be signed by the Owner, or the Director of Shareholder(s) of the Company** stating their post and stamped with the Company's Official seal as detailed in the Business Enactment Act Section 16 & 17 / or the tenderer's Registration Certificate from the Ministry of Development.
- (e) The address indicated must be detailed as in the Business Enactment Act Section 16 & 17 / and/or Tenderer's Registration Certificate from the Ministry Of Development. Any changes to the above must be officially referred to the Registrar of Companies and Business Names and a copy must be submitted to this department.

Tender documents must be duly completed, signed and dated written in **blue ink ONLY**. Any tender which is incomplete or unsigned will render the tender to be rejected.

- 3. (a) Tenders and documents in connection therewith as specified above, must be delivered to the place at or before the time specified.
- (b) In the case of the tender not being delivered by hand, the tenderer must arrange for his / her tender and other documents to be posted in time to reach the stipulated place by not later than the time stated.
- (c) In no case will the Government be responsible for any expense or loss incurred by a tenderer in the preparation of this tender.

Tenders shall remain valid for **3 MONTHS** from the final date for submission of the tenders and no tenderer may withdraw his/her tender within that period. The Government reserves the right to extend this period if deemed necessary provided that such extension of the tender validity period shall have the written consent of the tenderers.

- 4. The Government does not bind itself to accept the lowest and/or any tender and no reason will be given for rejecting any tender thereof.
- 5. Every correspondence to be given to a tenderer may be posted to the tenderer's address in the tender and such posting shall be deemed good and legally binding in service of such correspondence.
- 6. The tender shall be made on the basis of the rates in the tender documents being firm and not subject to any adjustment with variations in quantities.
- 7. The tender fee shall be **BS 5.00**. Payment shall be made at Finance Section, 1st Floor, Ministry of Religious or BIRD Online Payment.
- 8. No unauthorised alteration or use of 'correction pen' in the tender documents is allowed, or the tender may be rejected. Any errors are to be struck off and initialled.
- 9. Non-compliance with the above terms and conditions in any respect may render the tender liable to be rejected.
- 10. The tender must be done in the **OFFICIAL PRINTED** tender forms which is available from the **Ministry of Religious Affairs official website: <https://www.mora.gov.bn/SitePages/Senarai%20SebutHarga.aspx>**

The completed tender documents are to be lodged on or before 2.00 PM on 22-Mei 2026 in a sealed enveloped addressed to:-

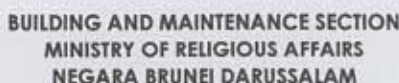
TENDER / QUOTATION (QTN) BOX

PETI KOTAK SEBUT HARGA
TINGKAT 1 BAHAGIAN KEWANGAN
BANGUNAN IBU PEJABAT
JALAN MENTERI BESAR
KEMENTERIAN HAL EHWAL
NEGARA BRUNEI DARUSSALAM

The top part of the sealed envelope must be written stating the following :-

Quotation No. : KHEU / BDP / 164 / 012 / 2026 Quotation Closing Date : 22-Mei 2026
Project Title : TERM CONTRACT FOR MAINTENANCE AND EMERGENCY WORKS TO PUSAT DAKWAH ISLAMIAH BUILDINGS AND COMPOUND AREA IN FOUR (04) DISTRICT, MINISTRY OF RELIGIOUS AFFAIRS, NEGARA BRUNEI DARUSSALAM.





Quotation No. : KHEU / BDP / 164 / 012 / 2026 Closed on : 27 May 2026 Receipt No. :

1.0 On behalf of _____ I, the undersigned, agree to carry
out the above Works / Service / Supply * for a sum of B\$ _____
(Brunei Dollars)

At Schedule of Rates attached subject to the adjustment percentage of an additional (+) / a deduction (-)*
% with an approximate Maximum Contract Sum as stated in PART C - APPENDIX Item 6.0.

within the Contract Period 12 Days / Weeks / Months * in accordance with the terms and conditions below

2.2 Company Address : _____

B

Company Stamp

2.3 Tel. No. : _____ Fax No. : _____
2.4 Date : _____ Email : _____

Note : An asterisk * indicates text that is to be deleted as appropriate



PART B - TERMS OF QUOTATION

1.0 BASIS OF QUOTATION, OVERALL OBLIGATIONS AND ADMINISTRATION

1.1 Overall Obligations of the Government:

- 1.1.1 To provide access at proper times for the Contractor to do his work.
- 1.1.2 To provide all information and facilities stated in this Contract to enable the Contractor to do his Works.
- 1.1.3 To pay the Contractor as provided in this Contract.
- 1.1.4 To assign a Contract Administrator to administer this Contract.
- 1.1.5 May take out or renew collateral warranty and insurance as referred to in Clause 1.2.3 and Clause 1.2.4 below if the Contractor fails to do so.

1.2 Overall Obligations of the Contractor:

- 1.2.1 To finish the Works to the quality standards provided in this Contract within the Completion Date(s) and Contract Period provided in this Contract.
- 1.2.2 To cooperate with all other Contractors working on the project and not to disrupt them or cause damage to their Works.
- 1.2.3 To provide a collateral warranty containing a similar obligation as under this Contract directly to a third party if requested by the Contract Administrator.
- 1.2.4 To provide and maintain valid Contractor's all risks insurance policy at all times.

1.3 Instructions, Certifications & Job Orders

- 1.3.1 The Contract Administrator can issue instructions and certifications including Job Orders to the Contractor on anything relating to the Works.
- 1.3.2 All instructions, certifications and Job Orders must be in writing, dated and clearly identified as Contract Administrator's Instructions, Certifications and Job Orders.
- 1.3.3 For each Job Order, the Contract Administrator must state a commencement date and a reasonable date for its completion and the Contractor must complete each Job Order by that completion date.
- 1.3.4 The minimum and maximum of any one Job Order to be issued as stated in the Appendix Item 5.0 and the maximum to be issued must be capable of being carried out and completed within the Contract Period.
- 1.3.5 The Contractor must comply with all instructions, certifications and Job Orders issued by the Contract Administrator.
- 1.3.6 The Contract Administrator may arrange others to complete the Works if the Contractor fails to comply with Clause 1.3.5, and the Contractor shall pay for all extra costs incurred.

2.0 QUALITY, HEALTH, SAFETY AND ENVIRONMENT

2.1 Quality

- 2.1.1 The Contractor must do his Works based on the documents referred to in this Contract and other instructions and information given to him by the Contract Administrator.
- 2.1.2 If any of the Works is not done according to this Contract or if there is any other breach of this Contract by the Contractor, the Contract Administrator shall inform the Contractor of the shortfall(s) in writing. The Contractor must rectify the shortfall(s).
- 2.1.3 If the Contractor does not rectify the shortfall(s), the Contract Administrator may arrange others to rectify the shortfall(s). The Contract Administrator can also certify either:
 - (a) The cost of rectifying such shortfall(s); or
 - (b) The reduced value of the completed Works due to such shortfall(s)as provided in the Payment Certification Clause.
- 2.1.4 The Contract Administrator can continue to do this throughout the project and during the Defects Liability Period (as stated in the Appendix Item No. 3.0) after the Contract Administrator confirms the Works is complete as provided in the Completion Clause.

2.2 Health, Safety And Environment

- 2.2.1 The Contractor must keep the site clean and safe at all times.
- 2.2.2 The Contractor must comply with all laws and regulations relating to Health, Safety and Environment Act, if any.

3.0 TIME OBLIGATIONS

3.1 Starting, Progress and Finishing

- 3.1.1 If not stated in this Contract, the Contract Administrator will inform the Contractor when to start work in writing. The Contractor shall not be entitled to claim for any loss or damage caused by any delay of possession of site.
- 3.1.2 The Contractor must progress with the Works in a regular and diligent manner.
- 3.1.3 The Contract Administrator can instruct the Contractor to stop and restart at any time.
- 3.1.4 The Contractor must finish all the Works within the Completion Date(s) stated in this Contract or as instructed by the Contract Administrator.



3.2 Adjusting Time for Completion

- 3.2.1 If the Government or Contract Administrator or anyone within either of their responsibility or control (which includes other Contractors on site), or anything beyond the Contractor's control, disrupts the Contractor from finishing within the completion period, the Contract Administrator must assess the impact of this disruption on the Contractor's Works.
- 3.2.2 If any Completion Date(s) is affected the Contract Administrator must adjust the Completion Date(s).
- 3.2.3 This must be done in a written certificate clearly identified as Extension of Time Certificate.

3.3 Completion

- 3.3.1 When the Contractor practically completed all the Works, he shall inform the Contract Administrator stating he has completed.
- 3.3.2 The Contract Administrator must decide when the Works has actually practically completed by the Contractor.
- 3.3.4 The Contract Administrator must decide when all obligations of the Contractor are fully discharged.
- 3.3.5 This decision must be in a written certificate clearly identified as a Final Completion Certificate.
- 3.3.6 This must be done after the end of Defects Liability Period (as stated in the Appendix Item No. 3.0) or when the Contractor has rectified all the shortfall(s) including Works that is not according to this Contract and any other breach of Contract by the Contractor identified by the Contract Administrator, whichever is later.

3.4 Delayed Completion

- 3.4.1 If the Contractor does not finish by the date stated in the Contract or Job Order, he shall pay Liquidated and Ascertained Damages due to the delay to the Government as provided in the Payment Certification Clause.
- 3.4.2 Liquidated Damages is calculated for delay between when the Contractor should have completed the Works and when he actually completed the Works.

4.0 VARIATIONS TO WORK

- 4.1.1 The Contract Administrator can issue instructions to vary the Works to be done.
- 4.1.2 If the Contract Administrator instructs the Contractor to vary any of the Works and there is a financial impact, the Contract Administrator must certify the value of the variation work as provided in the Payment Certification Clause.
- 4.1.3 The Contract Administrator must value the variation work using the Summary of Works rates and/or adjusted Schedule of Rates. If neither are available then using fair market rates.
- 4.1.4 This shall be done in a written certificate clearly identified as Variation Order certificate.

5.0 PAYMENT CERTIFICATION

5.1 Claims and Payment Certificate

- 5.1.1 The Contractor must submit a claim for the Works done before any payment certificate can be issued.

5.2 Contents of Payment Certificate:

- 5.2.1 The payment certificate must include the following:
Add the following:
 - (a) Cumulative value of the Works done. This is valued based on Summary of Works rates and/or adjusted Schedule of Rates, if any. If none, then valued based on fair market rates.
 - (b) Value of variation work properly instructed by the Contract Administrator and properly done by the Contractor.
- 5.2.2 Deduct the following:
 - (a) Liquidated and Ascertained Damages which is calculated for delay between when the Contractor should have completed the Works and when he actually practically completed the Works.
 - (b) The value of any shortfall(s) due to Works done according to this Contract or due to any other breach of this Contract by the Contractor which the Contract Administrator has informed the Contractor. If the Contractor does not rectify the shortfall(s) the Contract Administrator can certify either:
 - (i) The cost of rectifying such shortfall(s) by others; or
 - (ii) The reduced value of the completed Works due to such shortfall(s) as stated in the Appendix.
 - (c) A percentage of the sum of total additions above will be retained (as the Retention Sum) and released after the end of Defects Liability Period or when the Contractor rectified all the shortfall(s) including Works that are not done according to this Contract and any other breach of contract by the Contractor identified by the Contract Administrator.



- (d) The Net Amount Payable is the amount the Government must pay to the Contractor. This is calculated by:
 - (i) Adding the total under additions above;
 - (ii) Deducting the total of all deductions above; and
 - (iii) Deducting the cumulative amount certified previously.
- (e) The Contract Administrator may deduct any monies owed by the Contractor to the Government under this Contract or any contract(s) from the Contractor's payments.

6.0 TERMINATION OF CONTRACT

6.1 If the Contractor:

- (a) Suspends the Works before completion without any reasonable cause; and/or
- (b) Fails to proceed with the Works within the time stated in the Contract Administrator's Instructions; and/or
- (c) Fails to comply with the Contract Administrator's Instructions;

for fourteen (14) days after a notice sent to the Contractor, the Contract Administrator can determine this Contract by a written notice.

6.2 If the Contractor:

- (a) Becomes bankrupt; or
- (b) Goes into liquidation; or
- (c) Has offered or given or agreed to give to any person any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forbore to do any action in relation to the obtaining or execution of this Contract with the Government, or for showing or forbearing to show favour or disfavour to any person in relation to this Contract or any other contract with the Government or the like acts shall have been done by any person employed by the Contractor or acting on his behalf (with or without the knowledge of the Contractor), or if, in relation to this Contract or any other contract with the Government, the Contractor, or any person employed by the Contractor or acting on his behalf shall have committed or abetted to commit an offence under the Prevention of Corruption Act (Chapter 131) or section 161, 162, 163, 164, 165, 213, 214 or 215 of the Penal Code (Chapter 22).

this Contract is terminated by a written notice.

- 6.3 In either (6.1) or (6.2) above, the Contract Administrator may complete the Works by other ways and the Contractor shall pay for all extra costs incurred.

6.4 Termination For Convenience

- (a) The Government may at any time, give the Contractor a written notice to terminate the employment of the Contractor under the Contract and the Contractor shall immediately or upon such other date as specified in the written notice:
 - (i) cease all works under the Contract, which shall include, but be not limited to such work for the purpose of protecting, making safe or tidying up such part of the works as may already have been executed, or may be in the course of execution.
 - (ii) vacate the site, remove all his plant, tools, equipment, goods and unfixed materials which have not been paid by the Government and handback possession of the site to the Government.
- (b) In the event of termination under this Clause, Contract Administrator shall certify the amounts payable to the Contractor and the Contractor shall provide all reasonable assistance to the Contract Administrator. In the event that the Contractor does not submit the necessary information required, the Contract Administrator shall make his certification on the information available. The amount certified shall be paid by the Government less any sums previously paid or due to or recoverable by the Government from the Contractor.



PART C - APPENDIX

1.0	Completion Date: (If not stated, to be instructed by the Contract Administrator. If more than one completion period, identify the scope of Works for each completion period) For Term Contract, the Contract shall ends when the following conditions are met: (a) The actual expiration of the Contract Period; or (b) The limit of the Approximate Maximum Total Value of All Job Orders have been reached; Whichever of the above comes first but subject to Clause 3.2 and Clause 4.0.	_____
2.0	Liquidated and Ascertained Damages (LAD): (If none stated, then the Contract Administrator may certify a reasonable sum as compensation for delay) $\frac{\text{Total Contract Sum}}{\text{Total Contract Period (No. of Days)}} \times 15\%$	B\$ _____ per day
3.0	Shortfalls / Defects Liability Period: (If none stated, SIX (6) MONTHS from the date of completion)	_____ Months
4.0	Retention Sum: (If none stated, FIVE (5%) PERCENT of the Contract Sum)	_____ % of the Contract
5.0	Minimum and Maximum Values of Job Orders: Minimum value of any one Job Order to be issued Maximum value of any one Job Order to be issued (If none stated, the maximum value to be issued must be capable of being carried out and completed within the Contract Period)	≤ B\$ _____ ≥ B\$ _____
6.0	Approximate Maximum Total Value of All Job Orders for the Contract Period: (If not stated, NOT MORE THAN \$50,000.00 - BRUNEI DOLLARS FIFTY THOUSANDS) The Contract Administrator gives no warranty or undertaking as to the actual amount of Works that will be issued through Job Orders and no variance in the actual value of Works ordered shall give rise to a change in any rate, price or percentage adjustment.	≤ B\$ <u>50,000.00</u>



BORANG PENGAKUAN
DECLARATION FORM

BILANGAN SEBUT HARGA (<i>QUOTATION NO.</i>)	: KHEU / BDP / 164 / 012 / 2026
TAJUK SEBUT HARGA (<i>QUOTATION TITLE</i>)	: TERM CONTRACT FOR MAINTENANCE AND EMERGENCY WORKS TO PUSAT DAKWAH ISLAMIAH BUILDINGS AND COMPUND AREA IN FOUR (04) DISTRICT, MINISTRY OF RELIGIOUS AFFAIRS, NEGARA BRUNEI DARUSSALAM.
KEMENTERIAN / JABATAN (<i>MINISTRY / DEPARTMENT</i>)	:

Saya/Kami, (Isikan nama setiap pemilik syarikat/pemegang saham di bawah)
I/We (Fill in all the proprietor/shareholders' name below)

Bil. No.	Nama Name	No. Kad Pengenalan Brunei & Warna/ No. Paspas Antarabangsa Brunei Identity Card No. & Colour/ International Passport No.	Tandatangan Signature

Dengan ini membuat PENGAKUAN seperti berikut / make the following DECLARATION:

- Saya/Kami yang bernama diatas, adalah pemilik berdaftar sebuah Firma yang bernama
I/We as the name stated above, a registered Proprietor of _____, (isikan nama Firma/ fill in the firm's name)
dengan alamat perniagaan di,
with its place of business at _____

(atau/ or)
- adalah pemegang saham dalam sebuah Syarikat yang bernama
a shareholder in a Company _____, (isikan nama Syarikat/ fill in the Company's name)
dengan alamat perniagaan di,
with its place of business at _____

yang ikut serta Sebut harga di atas, dengan ini mengakui bahawa saya atau ahli keluarga saya tidak ada kepentingan dalam lain-lain syarikat yang turut serta menghadapkan tawaran yang sama.
Which participate in the above mention tender, hereby declare that I or any member of my family do not have any interest in the other companies competing for the same tender.

Tandatangan & Cop Syarikat
(Signature & Company Stamp)



DF/1

BILL OF QUANTITIES



BILL NO. 1
GENERAL & PRELIMINARIES



Item No.	Description	Unit	Rate
B1	<u>BILL NO. 1 - GENERAL & PRELIMINARIES</u> <u>GENERAL REQUIREMENTS:</u> Supply of all necessary, appropriate labour, approved materials, proper and safe hand and / or powered tools and equipment including scaffolding and transportation (where necessary) for the proper, safe execution, completion inclusive contractor's own electrical and water generator and accordance to the S.O or O.I.C's instructions and satisfaction. Only materials approved by ABCI, Ministry of Development and Ministry of Health can be used for the contract. Contractor to submit all necessary approval documentation for consideration, all to the satisfaction of the O.I.C. Contractors to work when access to site is available. No claims will be entertained even if access is after normal office hour or during public holiday. Normal office working time:- monday from: 7.45am - 4.30pm Tuesday from: 7.45am - 4.30pm Wednesday from: 7.45am - 4.30pm Thursday from: 7.45am - 4.30pm Saturday from: 7.45am - 4.30pm Contractor to comply all work instruction urgently within the same day of issuance of instruction of work order / Job order by the S.O or O.I.C. Contractor to make good and match to all adjacent of all affected of all affected areas as per to O.I.C's instructions and satisfaction. Contractor to keep all site clean and tidy at all times. Unwanted materials and debries to be removed and disposed to contractor's own dumping ground which is approved by the O.I.C. All in accordance to current Brunei Government Law and Regulation. Contractor to clean up work area after each completion work. All equipments, materials and tools must be remove from site immediately once work is completed. If any damages found to the tenant's property done by the works, the Contractor shall be held fully responsible and bear all the repair cost. Co-operate with all other persons who are on the site with the authority of the superintending officer. Co-ordinate the works such that they maybe completed in the most efficient and acceptable manner. The contractor shall permit other contractor and the superintending officer to use any part of the works. If main contractor do not have any of these category and are not eligible to carry out these specialist works, the main contractor need to assign sub contractor to do the specific works base on the category as per ABCI requirements. Below are the categories: KPB02 - Waterproofing KPB04 - Plumbing and Sanitary Works KPB05 - Pest Control KPB11A - Structural Repair KPB 11B - Structural Strengthening		



Item No.	Description	Unit	Rate
	KPB 10 - Desludging KA 01 - General Civil Engineering Works KPB 12 - Landscaping KPB 15 - Repair and Rehabilitation of Sewer and Water pipeline S01 - Environment & Solid Waste Management Services S02 - Janitorial Services		
B1/1.0	<u>PRELIMINARIES</u>		
B1/1.1	Allow for sum considered necessary to comply with the requirement of Preliminaries and Condition of Contract and including site cleaning & clearing up after completion, site safety & health and for every item of cost the contractors is required to provide for the proper execution and completion of the works.	LS	\$ 1,000.00
B1/1.2	<u>Insurances</u> Allow for all expenses incurred including payments of premium for providing		
B1/1.2.1	a) Public liability Policy in the joint names of the Government and the contractor	LS	\$ 500.00
B1/1.2.2	b) Fire Policy in the joint names of the Government and the contractor	LS	\$ 300.00
B1/1.2.3	c) Workmen's compensation policy in the joint names of the government and the contractor	LS	\$ 300.00
B1/1.3	<u>Health and Safety</u> To provide tools and testing equipment up to standard requirements as stipulated in any international / local approved guidelines i.e General practise of Maintenance Engineering of DES for Electrical installation Regulation (2011 - 1st Edition) and IEE regulation To ensure and monitor through out the contract period all works to be carried out must meet the safety and health requirement for the workers on site as required by PWD Note: OSH must be comply with SHENA and PWD HSE policy / rules / guidelines and Ministry of Health Guidlines	LS	\$ 1,000.00



BILL NO. 2
BUILDING WORKS



Item No.	Description	Unit	Rate
B2	<u>BILL NO. 2 - BUILDING WORKS</u>		
B2/1.0	<u>EARTHWORKS & EXCAVATION</u>		
B2/1.1	<u>Imported Fill</u>		
B2/1.1.1	<u>Selected imported dry earth consolidated in layers</u>		
B2/1.1.1.1	Filling to make up levels	m3	\$ 5.00
B2/1.1.1.2	Backfilling around walls and foundations	m3	\$ 8.50
B2/1.1.2	<u>Hardcore; filling to make up levels well consolidated</u> Over 300mm thick	m3	\$ 50.00
B2/1.1.3	<u>Hardcore; beds well consolidated</u>		
B2/1.1.3.1	100mm thick (average); blinding with sand / concrete	m2	\$ 6.50
B2/1.1.3.2	150mm thick (average); blinding with sand / concrete	m2	\$ 9.00
B2/1.1.4	<u>Sand consolidated in layers</u>		
B2/1.1.4.1	50mm thick (average)	m2	\$ 2.50
B2/1.1.4.2	75mm thick (average)	m2	\$ 3.50
B2/1.1.4.3	50mm - 75mm Top Soil	m2	\$ 3.00
B2/1.1.4.4	Close turfing using cow grass laying to flat ground	m2	\$ 3.50
B2/1.1.4.5	Over 300mm thick	m3	\$ 30.00
B2/1.2	<u>Excavation</u>		
B2/1.2.1	<u>General excavation depth and dispose off site</u>		
B2/1.2.1.1	average 100mm deep	m2	\$ 1.50
B2/1.2.1.2	average 200mm deep	m2	\$ 2.00
B2/1.2.1.3	over 300mm deep	m3	\$ 6.00
B2/1.2.2	<u>Excavate for footing and likes; dispose off site</u>		
B2/1.2.2.1	Light-weight machinery	m3	\$ 9.00
B2/1.2.2.2	Hand excavation in restricted area	m3	\$ 20.00
B2/2.0	<u>DEMOLITION AND ALTERATION</u>		
	Note:		
	Break-up concrete including cutting and bending or reinforcement; dispose off site; all necessary excavation and backfilling; make good all work disturbed in material to match existing		
B2/2.1	<u>To demolish and remove existing reinforced concrete superstructures, substructures, ground slabs including any finishes and sub base under and dispose off-site</u>		
B2/2.1.1	100mm thick	m2	\$ 8.00
B2/2.1.2	150mm thick	m2	\$ 10.00
B2/2.1.3	200mm thick	m2	\$ 12.00
B2/2.1.4	250mm thick	m2	\$ 15.00
B2/2.1.5	300mm thick	m2	\$ 18.00
B2/2.2	<u>Strip off or remove and dispose off-site roof finishes</u>		
B2/2.2.1	Waterproof membrane roof finishes and cleaning surfaces using appropriate solvent to bare concrete; flat roof, side and bottom gutters	m2	\$ 2.00
B2/2.2.2	Roof finishes complete with all flashing, underlaying roofing paper, insulation and weld mech	m2	\$ 8.00
B2/2.2.3	Roof structure and finishes complete with all flashing, underlaying roofing paper, insulation, weld mesh and members / trusses	m2	\$ 11.00
B2/2.3	<u>Removal metal cladding; clear all debris off site</u> Wall cladding including metal or timber framing	m2	\$ 2.50



Item No.	Description	Unit	Rate
B2/2.4	<u>Break up, demolish existing wall or partition including any finishes; provide opening including necessary temporary supports; make good works disturbed; clear debris off site</u>		
B2/2.4.1	Brickwall half brick thick	m2	\$ 6.00
B2/2.4.2	Brickwall one brick thick	m2	\$ 11.00
B2/2.4.3	Brickwall one and a half brick thick	m2	\$ 15.00
B2/2.4.4	Brickwall two brick thick	m2	\$ 18.00
B2/2.4.5	Clear glass block	m2	\$ 10.00
B2/2.4.6	Block wall	m2	\$ 7.00
B2/2.4.7	Timber partition	m2	\$ 5.00
B2/2.4.8	Timber partition including framing	m2	\$ 7.00
B2/2.5	<u>Hack or take off existing any wall or floor finishes; clear debris off site</u>		
B2/2.5.1	Cement and sand screed and / or finishes to floor, skirting, landing, walls, etc. and form keys, clean and wash to receive new finishes	m2	\$ 5.00
B2/2.5.2	Floor carpet and the likes complete with any underlay and remove any adhesive	m2	\$ 2.50
B2/2.6	<u>Remove existing ceiling, clear all debris off site</u>		
B2/2.6.1	Softboard, hardboard, gypsum board, cement board or metal ceiling and the likes	m2	\$ 1.60
B2/2.6.2	Softboard, hardboard, gypsum board, cement board or metal ceiling and the likes; complete with all framing or suspension system	m2	\$ 2.00
B2/2.6.3	Timber slate	m2	\$ 3.00
B2/2.7	<u>Remove and dispose offsite timber, glass, aluminium doors and the likes</u>		
B2/2.7.1	Single leaf	No.	\$ 4.00
B2/2.7.2	Double equal leaf	No.	\$ 7.00
B2/2.7.3	Double unequal leaf	No.	\$ 6.50
B2/2.8	<u>Remove and dispose off site timber, glass, aluminium doors and the likes including frames and jambs</u>		
B2/2.8.1	Single leaf	No.	\$ 5.00
B2/2.8.2	Double equal leaf	No.	\$ 8.00
B2/2.8.3	Double unequal leaf	No.	\$ 7.50
B2/2.9	<u>Remove and dispose off site existing frames and jambs; to relocate existing doors and install to new frames and jambs</u>		
B2/2.9.1	Single leaf	No.	\$ 40.00
B2/2.9.2	Double equal leaf	No.	\$ 55.00
B2/2.9.3	Double unequal leaf	No.	\$ 50.00
B2/2.10	<u>Remove and dispose offsite rainwater goods; to hack off concrete including all fittings and brackets</u> UPVC or metal gutter, downpipes etc	m	\$ 1.50
B2/2.11	<u>Break up R.C perimeter drain, sumps or kerbs, cutting and bending of reinforcement dispose debris off site</u>		
B2/2.11.1	Not exceeding 250mm	m	\$ 4.00
B2/2.11.2	250mm - 350mm	m	\$ 6.00
B2/2.11.3	300mm - 450mm	m	\$ 7.00
B2/2.11.4	450mm - 600mm	m	\$ 8.00
B2/2.11.5	R.C sump average size 600mm x 600mm wide	No.	\$ 30.00
B2/2.12	<u>Remove existing fencing; clear all debris off site</u>		
B2/2.12.1	1200mm high fencing	m	\$ 2.00
B2/2.12.2	1800mm high fencing	m	\$ 3.00
B2/2.12.3	1200mm high fencing post and bracing	No.	\$ 3.50
B2/2.12.4	1800mm high fencing post and bracing	No.	\$ 4.00
B2/2.13	<u>Remove existing; make good works disturbed; clear all debris off site</u>		
B2/2.13.1	Window including frame	m2	\$ 3.00
B2/2.13.2	Safety grille to door, windows and the like including frame	m2	\$ 2.00



Item No.	Description	Unit	Rate
B2/2.13.3	Timber / metal collapsible door, including track, frame, accessories	m2	\$ 4.00
B2/2.13.4	Roller shutter c/w other associate accessories	m2	\$ 6.00
B2/2.13.5	Flag pole complete with accessories and substructure	No.	\$ 25.00
B2/2.13.6	Scupper drain 100mm - 150mm wide including tiling if necessary and other necessary works	m	\$ 10.00
B2/2.14	<u>Handrail consists top rail, bottom rail, intermediate rails and post including cutting and the likes</u>		
B2/2.14.1	Corridor	m	\$ 3.00
B2/2.14.2	Staircase	m	\$ 3.00
B2/2.15	<u>Remove existing fittings and fixtures; make good any works disturbed; clear debris off site</u>		
B2/2.15.1	Timber low level cabinet not exceeding 900mm high x 700mm deep	m	\$ 5.00
B2/2.15.2	Timber high level / wall hung cabinet not exceeding 900mm high x 700mm deep	m	\$ 5.00
B2/2.15.3	Timber wardrobe up to ceiling height	m	\$ 10.00
B2/2.16	<u>Remove existing water tank; make good any works disturbed; dispose off site</u>		
B2/2.16.1	HDPE tank including disconnect plumbing connection and disposal off site	Lot	\$ 100.00
B2/2.16.2	metal water tank including disconnect plumbing connection and disposal off site	Lot	\$ 100.00
B2/3.0	<u>CONCRETE AND FORMWORK</u>		
B2/3.1	Supply and lay 50mm Grade 15 concrete blinding complete with formwork	m2	\$ 6.00
B2/3.2	<u>Supply and lay concrete in structural works (column, beam, plinth, pile cap, step and staircase) complete with formwork</u>		
B2/3.2.1	Grade 30	m3	\$ 190.00
B2/3.2.2	Grade 40	m3	\$ 220.00
B2/3.3	<u>Supply and lay Grade 25 concrete in slab / apron / wall; trowelled smooth finishes complete with formwork</u>		
B2/3.3.1	100mm thick	m2	\$ 19.00
B2/3.3.2	150mm thick	m2	\$ 28.00
B2/3.3.3	200mm thick	m2	\$ 36.00
B2/3.3.4	250mm thick	m2	\$ 42.00
B2/3.4	<u>Supply and lay Grade 30 concrete in slab / apron / wall; trowelled smooth finishes complete with formwork</u>		
B2/3.4.1	100mm thick	m2	\$ 22.00
B2/3.4.2	150mm thick	m2	\$ 30.00
B2/3.4.3	200mm thick	m2	\$ 38.00
B2/3.4.4	250mm thick	m2	\$ 44.00
B2/4.0	<u>REINFORCEMENT</u>		
B2/4.1	<u>Mild steel bar reinforcement to B.S 4449 to ; concrete slabs, walls, beams, columns etc.</u>		
B2/4.1.1	not exceeding 10mm Ø : links, stirrups, blinders	kg	\$ 2.80
B2/4.1.2	10 - 13mm Ø : links, stirrups, binders	kg	\$ 2.60
B2/4.2	<u>High tensile steel bar reinforcement to B.S 4449 to ; concrete slabs, walls, beams, columns etc.</u>		
B2/4.2.1	not exceeding 10mm Ø ; general straight and bent bars	kg	\$ 2.70
B2/4.2.2	10 - 13mm Ø ; general straight and bent bars	kg	\$ 2.60
B2/4.2.3	16 - 25mm Ø ; general straight and bent bars	kg	\$ 2.75
B2/4.2.4	exceeding 25mm Ø ; general straight and bent bars	kg	\$ 2.80
B2/4.3	<u>BRC steel fabric reinforcement to B.S 4483 ; well lapped at joints ; concrete slabs</u>		
B2/4.3.1	BRC reference A8	m2	\$ 9.00
B2/4.3.2	BRC reference A7	m2	\$ 8.00
B2/4.3.3	BRC reference A6	m2	\$ 7.00



Item No.	Description	Unit	Rate
B2/5.0	<u>BRICKWORK, BLOCKWORK AND WALL PARTITION</u>		
B2/5.1	<u>Brickworks</u>		
B2/5.1.1	<u>Brickwork in first grade common bricks to S.S 103 bedded and jointed in cement mortar (1:3) reinforced with Lysaght expanded metal blockwork reinforcement every third course including plastering with thickness to match existing</u>		
B2/5.1.1.1	Half brick 112mm thick	m2	\$ 22.00
B2/5.1.1.2	One brick 225mm thick	m2	\$ 42.00
B2/5.1.2	<u>Plastering to smooth finish including, groove and pattern design to S.O approval</u>		
B2/5.1.2.1	20mm thick to brickwall	m2	\$ 10.00
B2/5.1.2.2	13mm thick to soffit of slab	m2	\$ 10.00
B2/5.1.2.3	13mm thick to column and beam	m2	\$ 10.00
B2/5.1.3	10 - 20mm thick cement and sand plaster to wall	m2	\$ 6.70
B2/5.2	<u>Lightweight Block</u> Remove existing, supply and install CSR autoclaved lightweight concrete block laid using CSR ALC thin bed adhesive including control joint tie (FBI) to be installed on every third course across 10mm wide control joints as per manufacturer's specification including plastering	m2	\$ 55.00
B2/5.3	<u>Glass Block</u>		
B2/5.3.1	<u>Remove existing and supply; "Solaris Glasstein" flemish or cross-ribbed or other equal and approved glass blocks in cement and sand mortar mixed with "Dribond" or other equal and approved bonding additive; complete with channels, expansion strips, packing, panel reinforcement, panel anchors and other items for complete installation in accordance to the manufacturer's recommendation</u>		
B2/5.3.1.1	150mm x 150mm x 80mm thick	m2	\$ 200.00
B2/5.3.1.2	190mm x 190mm x 80mm thick	m2	\$ 230.00
B2/5.3.2	<u>Supply and install new "Solaris Glasstein" flemish or cross-ribbed or other equal and approved glass blocks in cement and sand mortar mixed with "Dribond" or other equal and approved bonding additive; complete with channels, expansion strips, packing, panel reinforcement, panel anchors and other items for complete installation in accordance to the manufacturer's recommendation</u>		
B2/5.3.2.1	150mm x 150mm x 80mm thick	m2	
B2/5.3.2.2	190mm x 190mm x 80mm thick	m2	\$ 120.00
B2/5.4	<u>Wall Partition</u>		
B2/5.4.1	To supply and install new Kapur Bukit / Keruing or any other approved equivalent of shiplap / T&G timber wall board to match the existing wall complete with primer and 2 coats of approved painting (all as per O.I.C's approval) including all other necessary works and accessories required as per S.O's instructions	m2	\$ 33.00
B2/5.4.2	To supply and install new gypsum wall partition including metal framing and complete with putty to smooth to match existing wall	m2	\$ 45.00
B2/6.0	<u>ROOF WORKS</u>		
B2/6.1	<u>Removing existing; supply and install new roof sheet; complete with tap-screw, fastener; or fixed brackets/clips with wafer head screws; and any other necessary accessories of selected standard colour, including all sides and end laps (measured net - no allowance for laps)</u>		
B2/6.1.1	0.40mm Hideck/Speedeck roof sheet	m2	\$ 18.00
B2/6.1.2	0.47mm Hideck/Speedeck roof sheet	m2	\$ 20.00
B2/6.1.3	0.40mm Loratile/Steeptile/E-Gle roof sheet	m2	\$ 15.00
B2/6.1.4	0.47mm Loratile/Steeptile/E-Gle roof sheet	m2	\$ 18.00
B2/6.1.5	0.47mm Kliplok/Spanlok roof sheet	m2	\$ 28.00



Item No.	Description	Unit	Rate
B2/6.1.6	0.53mm Kliplok/Spanlok roof sheet	m2	\$ 29.00
B2/6.1.7	corrugated roof sheet	m2	\$ 15.00
B2/6.2	<u>Removing existing; supply and install new roof accessories; complete with tap-screw, fastener; or fixed brackets/clips with wafer head screws; and any other necessary accessories of selected standard colour, including all sides and end laps (measured net - no allowance for laps)</u>		
B2/6.2.1	0.40mm/0.47mm ridge cappings	m	\$ 12.00
B2/6.2.2	0.40mm/0.47mm barrel cappings	m	\$ 14.00
B2/6.2.3	0.40mm/0.47mm barge cappings	m	\$ 12.00
B2/6.2.4	0.40mm/0.47mm box barge cover	m	\$ 12.00
B2/6.2.5	0.40mm/0.47mm valley gutter	m	\$ 12.00
B2/6.2.6	0.40mm wall flashing	m	\$ 8.00
B2/6.2.7	0.47mm wall flashing	m	\$ 9.00
B2/6.3	<u>Supply and install new high tensile steel roof truss framing system all in accordance to manufacturer's specification and as per S.O. or O.I.C's instructions;</u>		
B2/6.3.1	<u>2" x 4" C-channel complete with plates, brackets, grips, joints, screws, bolts, nuts and any other necessary accessories required</u>		
B2/6.3.1.1	1mm thickness	m	\$ 7.00
B2/6.3.1.2	1.6mm thickness	m	\$ 11.00
B2/6.3.1.3	2mm thickness	m	\$ 14.00
B2/6.3.2	<u>Batten complete with plates, brackets, grips, joints, screws, bolts, nuts and any other necessary accessories required</u>		
B2/6.3.2.1	1½" 0.6mm thickness	m	\$ 5.00
B2/6.3.2.2	2½" 0.8mm thickness	m	\$ 7.00
B2/6.4	<u>Remove, supply and install new</u>		
B2/6.4.1	50mm x 50mm chicken wiremesh	m2	\$ 1.00
B2/6.4.2	BRC 3315 / 3316 to roof	m2	\$ 3.20
B2/6.4.3	50mm thick Rockwool insulation not less than 80Kg/m3 laid under roofing sheet (measured nett and no allowance made for laps)	m2	\$ 14.20
B2/6.4.4	50mm thick Fibre glass quilt insulation not less than 80Kg/m3 laid under roofing sheet (measured nett and no allowance made for laps)	m2	\$ 13.20
B2/6.4.5	25mm thick Fibre glass quilt insulation not less than 80Kg/m3 laid under roofing sheet (measured nett and no allowance made for laps)	m2	\$ 7.20
B2/6.5	<u>Supply and install new</u>		
B2/6.5.1	50mm x 50mm chicken wiremesh	m2	\$ 0.80
B2/6.5.2	BRC 3315 / 3316 to roof	m2	\$ 3.00
B2/6.5.3	50mm thick Rockwool insulation not less than 80Kg/m3 laid under roofing sheet (measured nett and no allowance made for laps)	m2	\$ 14.00
B2/6.5.4	50mm thick Fibre glass quilt insulation not less than 80Kg/m3 laid under roofing sheet (measured nett and no allowance made for laps)	m2	\$ 13.00
B2/6.5.5	25mm thick Fibre glass quilt insulation not less than 80Kg/m3 laid under roofing sheet (measured nett and no allowance made for laps)	m2	\$ 7.00
B2/6.6	<u>Remove, supply and install new sisalation roofing paper</u>		
B2/6.6.1	Single-sided	m2	\$ 1.70
B2/6.6.2	Double-sided	m2	\$ 2.40
B2/6.7	<u>Supply and install new sisalation roofing paper</u>		
B2/6.7.1	Single-sided	m2	\$ 1.40
B2/6.7.2	Double-sided	m2	\$ 2.00
B2/6.8	Refix and repair to loose / dented metal roof flashing / fascia including all accessories.	m	\$ 3.00



Item No.	Description	Unit	Rate
B2/6.9	<u>Approved polycarbonate translucent roofing sheet and accessories with approved lapped fixed in accordance with the Manufacturer's Instructions; (measured nett and no allowance made for laps).</u>		
B2/6.9.1	12mm thick Roofing sheet, fixed with and including concealed fixing straps	m2	\$ 240.00
B2/6.10	<u>Approved polyglass polycarbonate solid roofing sheet and accessories with approved lapped fixed in accordance with the Manufacturer's Instructions; (measured nett and no allowance made for laps).</u>		
B2/6.10.1	"MARKLON" polyglass polycarbonate solid sheet		
B2/6.10.1.1	6mm thick Roofing sheet, fixed with and including concealed fixing straps	m2	\$ 133.00
B2/6.10.1.2	4mm thick Roofing sheet, fixed with and including concealed fixing straps	m2	\$ 97.00
B2/6.11	<u>Glass Skylight</u>		
B2/6.11.1	<u>Supply and fix approved glass skylight system complete with 12.76mm thick green-tinted Low-E laminated glass; or other approved equivalent system complete with all necessary flashings, structural steel support frames, waterproofing mechanism, fittings, accessories, etc all strictly in accordance with Manufacturer's Specification and Instructions and as per Superintending Officer instructions.</u>		
B2/6.11.1.1	<u>"LB Alloy Skylight" system</u>		
B2/6.11.1.1.1	Glass skylight system	m2	\$ 612.00
B2/6.11.1.2	<u>"Plexiglass Acrylic Skylight" system</u>		
B2/6.11.1.2.1	Glass skylight system	m2	\$ 308.00
B2/6.11.2	<u>Supply and fix approved glass skylight system complete with 10mm thick high strengthened glass; or other approved equivalent system complete with all necessary flashings, structural steel support frames, waterproofing mechanism, fittings, accessories, etc all strictly in accordance with Manufacturer's Specification and Instructions and as per Superintending Officer instructions</u>		
B2/6.11.2.1	<u>"SSG-Duraglas HS" system</u> Glass skylight system	m2	\$ 414.00
B2/6.12	<u>Miscellaneous Works</u>		
B2/6.12.1	<u>Takedown existing structure; and remove debris off the site and making good all works disturbed to the satisfaction of the Superintending Officer.</u>		
B2/6.12.1.1	Roofing sheet	m2	\$ 4.00
B2/6.12.1.2	Roofing tiles	m2	\$ 6.00
B2/6.12.1.2	Ridge capping	m	\$ 8.00
B2/6.12.1.3	Roof flashing	m	\$ 8.00
B2/6.12.1.3	Valley gutter flashing	m	\$ 8.00
B2/6.12.1.4	Roof insulation	m2	\$ 4.00
B2/6.12.1.4	Galvanized roof mesh	m2	\$ 4.00
B2/6.12.1.5	Stainless steel gutter	m	\$ 8.00
B2/6.12.1.5	Galvanized steel gutter	m	\$ 8.00
B2/6.12.1.6	Metal gutter	m	\$ 8.00
B2/6.12.1.6	UPVC gutter	m	\$ 8.00
B2/6.12.1.7	Glass skylight panel	m2	\$ 12.00
B2/6.12.1.7	UPVC rainwater downpipe	m	\$ 8.00
B2/6.12.1.8	Cast Iron rainwater downpipe	m	\$ 8.00
B2/6.12.1.8	Roof outlet	No.	\$ 5.00



Item No.	Description	Unit	Rate
B2/6.12.2	<u>Allow labour and material to clean existing structure using high pressure water by means of waterjetting and/or using appropriate solvent, remove all debris off-site and make good all works disturbed to the satisfaction of the Superintending Officer.</u>		
B2/6.12.2.1	Roofing sheet	m2	\$ 12.00
B2/6.12.2.2	Roofing tiles	m2	\$ 12.00
B2/6.12.2.3	Ridge capping	m	\$ 5.00
B2/6.12.2.4	Roof flashing	m	\$ 5.00
B2/6.12.2.5	Valley gutter flashing	m	\$ 5.00
B2/6.12.2.6	Stainless steel gutter	m	\$ 5.00
B2/6.12.2.7	Galvanized steel gutter	m	\$ 5.00
B2/6.12.2.8	Metal gutter	m	\$ 5.00
B2/6.12.2.9	UPVC gutter	m	\$ 5.00
B2/6.12.2.10	Glass skylight panel	m2	\$ 12.00
B2/6.12.2.11	UPVC rainwater downpipe	m	\$ 5.00
B2/6.12.2.12	Cast Iron rainwater downpipe	m	\$ 5.00
B2/6.12.2.13	Roof outlet	No.	\$ 5.00
B2/6.12.2.14	PTFE/ Teflon Roofing	m2	\$ 12.00
B2/6.12.3	<u>Allow labour and material to rectify roof leakage by applying approved roof sealant, remove all debris off-site and make good all works disturbed to the satisfaction of the Superintending Officer.</u>		
B2/6.12.3.1	Roofing sheet	m2	\$ 14.00
B2/6.12.3.2	Roofing tiles	m2	\$ 14.00
B2/6.12.3.3	Ridge capping	m	\$ 14.00
B2/6.12.3.4	Roof flashing	m	\$ 14.00
B2/6.12.3.5	Valley gutter flashing	m	\$ 14.00
B2/6.12.3.6	Stainless steel gutter	m	\$ 14.00
B2/6.12.3.7	Galvanized steel gutter	m	\$ 14.00
B2/6.12.3.8	Metal gutter	m	\$ 14.00
B2/6.12.3.9	UPVC gutter	m	\$ 14.00
B2/6.12.3.10	Glass skylight panel	m2	\$ 40.00
B2/6.12.3.11	UPVC rainwater downpipe	m	\$ 14.00
B2/6.12.3.12	Cast Iron rainwater downpipe	m	\$ 14.00
B2/6.12.3.13	Roof outlet, overall size 150mm diameter	No.	\$ 14.00
B2/6.12.3.14	Roof outlet, overall size 100mm diameter	No.	\$ 14.00
B2/6.12.4	<u>Allow labour and material to repair leaking structure with sealant to all bolt heads and leaking joints/gaps and replacing/refixing existing ridge capping and tightening all roof connection and apply CPRU approved waterproofing coatings to surfaces of roof/internal of gutter, remove all debris off-site and make good all works disturbed to the satisfaction of the Superintending Officer.</u>		
B2/6.12.4.1	Roofing sheet	m2	\$ 35.00
B2/6.12.4.2	Stainless steel gutter	m	\$ 23.00
B2/6.12.4.3	Galvanized steel gutter	m	\$ 23.00
B2/6.12.4.4	Metal gutter	m	\$ 23.00
B2/6.12.4.5	UPVC gutter	m	\$ 23.00
B2/6.12.5	<u>Allow labour and material to refix or repair damaged structure, remove all debris off-site and make good all works disturbed to the satisfaction of the Superintending Officer.</u>		
B2/6.12.5.1	Roofing sheet	m2	\$ 27.00
B2/6.12.5.2	Roofing tiles	m2	\$ 27.00
B2/6.12.3.3	Ridge capping	m	\$ 27.00
B2/6.12.3.4	Roof flashing	m	\$ 27.00
B2/6.12.3.5	Valley gutter flashing	m	\$ 27.00
B2/6.12.3.6	Stainless steel gutter	m	\$ 27.00
B2/6.12.3.7	Galvanized steel gutter	m	\$ 27.00
B2/6.12.3.8	Metal gutter	m	\$ 27.00
B2/6.12.3.9	UPVC gutter	m	\$ 27.00
B2/6.12.3.10	Glass skylight panel	m2	\$ 53.00
B2/6.12.3.11	UPVC rainwater downpipe	m	\$ 27.00



Item No.	Description	Unit	Rate
B2/6.12.3.12	Cast Iron rainwater downpipe	m	\$ 27.00
B2/6.12.3.13	Roof outlet, overall size 150mm diameter	No.	\$ 27.00
B2/6.12.3.14	Roof outlet, overall size 100mm diameter	No.	\$ 27.00
B2/6.12.6	Allow labour and material to seal existing ridges and hips of roofing tiles (any type) with seal pro dry fix roofseal with adhesive bitumen compound, remove all debris off-site and make good all works disturbed to the satisfaction of the Superintending Officer.	m	\$ 7.00
B2/6.12.7	Allow labour and material to seal existing side and end laps of corrugated roof sheeting (any type) with bituminous sealing compound irrespective of girths inclusive of cement mortar when necessary, remove all debris off-site and make good all works disturbed to the satisfaction of the Superintending Officer.	m	\$ 4.00
B2/6.12.8	Allow labour and material to seal existing nail, screws or bolt heads with bituminous sealing compound, remove all debris off-site and make good all works disturbed to the satisfaction of the Superintending Officer.	m	\$ 3.00
B2/7.0	CARPENTRY AND JOINERY		
B2/7.1	Remove all existing defective timber flooring finishes including associated anchillary fixings and the likes using approved hand and/or low-powered tools; inclusive of disposing hacked materials and/or finishes off-site to an approved dumping area; cleaning and preparing exposed surfaces ready for re-laying new materials and/or floor finishes.	m2	\$ 10.00
B2/7.2	<u>Remove existing and replace with new finishings in wrought treated meranti; Floor board with T&G inclusive of all cutting; tongued; grooved and V-joined with fixings; and sanding to smooth ready to receive varnishing/timber tone finishes; as per O.I.C's approval and satisfaction</u>		
B2/7.2.1	25mm x 75mm (1" x 3")	m2	\$ 23.00
B2/7.2.2	25mm x 100mm (1" x 4")	m2	\$ 25.00
B2/7.2.3	25mm x 150mm (1" x 6")	m2	\$ 27.00
B2/7.3	<u>Supply and install new timber flooring in wrought treated meranti; Floor board with T&G inclusive of all cutting; tongued; grooved and V-joined with fixings; and sanding to smooth ready to receive varnishing/timber tone finishes; as per O.I.C's approval and satisfaction</u>		
B2/7.3.1	25mm x 75mm (1" x 3")	m2	\$ 21.00
B2/7.3.2	25mm x 100mm (1" x 4")	m2	\$ 24.00
B2/7.3.3	25mm x 150mm (1" x 6")	m2	\$ 26.00
B2/7.4	<u>Removal of existing timber and replace with new sawn, treated Kapur Bukit structural timbers; including 2 coats of wood preservative</u> <u>Roof trusses, pitched roofs, ceiling joists, partition frame, batten and the likes</u>		
B2/7.4.1	50mm x 50mm (2" x 2")	m	\$ 2.50
B2/7.4.2	50mm x 75mm (2" x 3")	m	\$ 3.50
B2/7.4.3	50mm x 100mm (2" x 4")	m	\$ 5.00
B2/7.4.4	50mm x 125mm (2" x 5")	m	\$ 6.00
B2/7.4.5	50mm x 150mm (2" x 6")	m	\$ 7.00
B2/7.5	<u>Removal of existing timber and replace with new sawn, treated Kapur Bukit structural timbers; including 2 coats of wood preservative</u> <u>Roof boards, fillets grounds, batten, skirting, framing and the likes</u>		
B2/7.5.1	25mm x 25mm (1" x 1")	m	\$ 1.50
B2/7.5.2	25mm x 50mm (1" x 2")	m	\$ 2.00
B2/7.5.3	25mm x 75mm (1" x 3")	m	\$ 3.00
B2/7.5.4	25mm x 100mm (1" x 4")	m	\$ 4.00
B2/7.5.5	25mm x 150mm (1" x 6")	m	\$ 6.00
B2/7.5.6	25mm x 200mm (1" x 8")	m	\$ 7.00
B2/7.5.7	50mm x 200mm (2" x 8")	m	\$ 9.00



Item No.	Description	Unit	Rate
B2/7.6	<u>Removal of existing timber and replace with new wrought, treated Kapur Bukit structural timbers; including 2 coats of wood preservative</u> <u>Roof boards, fillets grounds, batten, skirting, framing and the likes</u>		
B2/7.6.1	25mm x 25mm (1" x 1")	m	\$ 1.00
B2/7.6.2	25mm x 50mm (1" x 2")	m	\$ 1.50
B2/7.6.3	25mm x 75mm (1" x 3")	m	\$ 2.50
B2/7.6.4	25mm x 100mm (1" x 4")	m	\$ 3.50
B2/7.6.5	25mm x 150mm (1" x 6")	m	\$ 5.50
B2/7.6.6	25mm x 200mm (1" x 8")	m	\$ 6.50
B2/7.6.7	50mm x 200mm (2" x 8")	m	\$ 8.50
B2/7.7	<u>Removal of existing timber and replace with new wrought, treated Selangan Batu structural timbers; including 2 coats of wood preservative</u>		
B2/7.7.1	25mm x 200mm (1" x 8")	m	\$ 15.00
B2/7.7.2	50mm x 50mm (2" x 2")	m	\$ 2.50
B2/7.7.3	50mm x 75mm (2" x 3")	m	\$ 3.50
B2/7.7.4	50mm x 100mm (2" x 4")	m	\$ 7.50
B2/7.7.5	50mm x 125mm (2" x 5")	m	\$ 8.00
B2/7.7.6	50mm x 150mm (2" x 6")	m	\$ 9.50
B2/7.7.7	100mm x 100mm (4" x 4")	m	\$ 10.00
B2/7.7.8	150mm x 150mm (6" x 6")	m	\$ 20.00
B2/7.8	<u>Temporary removal of suspended ceilings and the likes</u> temporary remove, put and store safety aside existing suspended ceilings and likes; including refixing and reinstalling back to original areas / locations	m2	\$ 10.00
B2/7.9	<u>Supply and install new fascia board complete with all necessary accessories and seal gap/joint with body filler putty to smooth finish to match existing</u>		
B2/7.9.1	6"	m	\$ 7.50
B2/7.9.2	8"	m	\$ 9.00
B2/7.10	<u>Ceilling and Wall boarding</u>		
B2/7.10.1	<u>Remove, supply and fix ceiling / wall to existing frame including taping and a 3mm coat of fine gypsum plaster at all joints</u>		
B2/7.10.1.1	Softboard	m2	\$ 13.00
B2/7.10.1.2	6mm thick Gypsum board	m2	\$ 18.00
B2/7.10.1.3	9mm thick Gypsum board	m2	\$ 21.00
B2/7.10.1.4	12mm thick Gypsum board	m2	\$ 23.00
B2/7.10.1.5	Cement board	m2	\$ 15.00
B2/7.10.1.6	5mm thick Duravent ceiling	m2	\$ 20.00
B2/7.10.1.7	5.2mm thick Plywood	m2	\$ 12.00
B2/7.10.1.8	12mm thick Plywood	m2	\$ 18.00
B2/7.10.2	<u>Remove, supply and fix ceiling / wall including GI framing system complete with all necessary runners, cross runners, wall angles, Road hangers and hanging wire taping and a 3mm coat of fine gypsum plaster at all joints</u>		
B2/7.10.2.1	Softboard	m2	\$ 15.00
B2/7.10.2.2	6mm thick Gypsum board	m2	\$ 23.00
B2/7.10.2.3	9mm thick Gypsum board	m2	\$ 26.00
B2/7.10.2.4	12mm thick Gypsum board	m2	\$ 28.00
B2/7.10.2.5	Cement board	m2	\$ 23.00
B2/7.10.2.6	5mm thick Duravent ceiling	m2	\$ 25.00
B2/7.10.2.7	5.2mm thick Plywood	m2	\$ 15.00
B2/7.10.2.8	12mm thick Plywood	m2	\$ 20.00
B2/7.10.3	<u>Refix and repair to loose / sagged ceiling including nailing and all necessary works to match existing and make good wroks distrubed</u>	m2	\$ 5.00



Item No.	Description	Unit	Rate
B2/7.11	<u>Remove and supply;</u>		
B2/7.11.1	Construction of timber partition consists of 50mm x 100mm timber framing at 1200mm centre both way and lined both faces with 12mm plywood to BS1088	m2	\$ 35.00
B2/7.11.2	Construction of gypsum board partition consists of GI framing and lined both faces with 12mm gypsum board including filling all nail holes smooth, taping and plastering all joining	m2	\$ 28.00
B2/7.12	9mm thick masterclad for external wall	m2	\$ 38.00
B2/7.13	<u>Remove, supply and fix plaster glass cornice</u>		
B2/7.13.1	50mm thick	m	\$ 8.00
B2/7.13.2	100mm thick	m	\$ 13.00
B2/7.14	<u>Doors</u>		
B2/7.14.1	<u>Repair existing solid / flush door inclusive 5mm thick plywood on bothsides glued and nailed to the frames and the other necessary repair works required</u>		
B2/7.14.1.1	± 38mm x 915mm x 2134mm	No.	\$ 23.00
B2/7.14.1.2	General	m2	\$ 11.80
B2/7.14.2	<u>Remove existing, supply and install; solid panelled doors generally constructed in red meranti; complete with approved painting</u>		
B2/7.14.2.1	Single leaf	No.	\$ 150.00
B2/7.14.2.2	Single leaf with size of less than 900mm x 2100mm	No.	\$ 120.00
B2/7.14.2.3	Double equal leaf	No.	\$ 300.00
B2/7.14.2.4	Double unequal leaf	No.	\$ 230.00
B2/7.14.3	<u>ditto; complete with approved painting, framing, jambs, hinges and any necessary fittings</u>		
B2/7.14.3.1	Single leaf	No.	\$ 200.00
B2/7.14.3.2	Single leaf with size of less than 900mm x 2100mm	No.	\$ 170.00
B2/7.14.3.3	Double equal leaf	No.	\$ 350.00
B2/7.14.3.4	Double unequal leaf	No.	\$ 280.00
B2/7.14.4	<u>Remove existing, supply and install; solid panelled doors generally constructed in double plywood; complete with approved painting/formica</u>		
B2/7.14.4.1	Single leaf	No.	\$ 120.00
B2/7.14.4.2	Double equal leaf	No.	\$ 240.00
B2/7.14.4.3	Double unequal leaf	No.	\$ 200.00
B2/7.14.5	<u>ditto; complete with approved painting, framing, jambs, hinges and any necessary fittings</u>		
B2/7.14.5.1	Single leaf	No.	\$ 290.00
B2/7.14.5.2	Double equal leaf	No.	\$ 240.00
B2/7.14.5.3	Double unequal leaf	No.	\$ 250.00
B2/7.14.6	<u>Remove existing, supply and install; Flush doors generally constructed in teak veneered plywood; complete with approved painting</u>	No.	\$ 180.00
	Single leaf		
B2/7.14.7	<u>ditto; complete with approved painting, framing, jambs, hinges and any necessary fittings</u>	No.	\$ 230.00
	Single leaf		
B2/7.14.8	<u>Remove existing, supply and install; UPVC doors complete with framing, jambs, hinges and any necessary fittings</u>		
B2/7.14.8.1	Plain	No.	\$ 140.00
B2/7.14.8.2	Plain with size of less than 900mm x 2100mm	No.	\$ 120.00
B2/7.14.8.3	Plain with ventilated louvers	No.	\$ 150.00
B2/7.14.8.4	Decorative	No.	\$ 160.00
B2/7.14.9	<u>Remove existing, supply and install; UPVC doors only complete with hinges</u>		
B2/7.14.9.1	Plain	No.	\$ 110.00
B2/7.14.9.2	Plain with size of less than 900mm x 2100mm	No.	\$ 95.00



Item No.	Description	Unit	Rate
B2/7.14.9.3	Plain with ventilated louvers	No.	\$ 120.00
B2/7.14.9.4	Decorative	No.	\$ 130.00
B2/7.14.9.5	UPVC jambs	No.	\$ 50.00
B2/7.14.10	Refix and repair to loose / tilted / misaligned door panel including frame / jamb, accessories / fittings and make good works disturbed	No.	\$ 3.00
B2/7.14.11	<u>Remove existing and replace with new finishings in wrought treated Kapur Bukit Door frames, window frames and the likes</u>		
B2/7.14.11.1	38mm x 125mm	m	\$ 9.00
B2/7.14.11.2	28mm x 150mm	m	\$ 10.00
B2/7.14.11.3	28mm x 200mm	m	\$ 3.00
B2/7.14.11.4	50mm x 125mm	m	\$ 10.00
B2/7.14.11.5	50mm x 150mm	m	\$ 12.00
B2/7.14.12	<u>Remove existing and replace with new timber door jamb, aircond opening frames, window frames and the likes including cutting, joining, painting/Varnishing and make good affected area to match existing</u>		
B2/7.14.12.1	25mm x 25mm	m	\$ 0.80
B2/7.14.12.2	25mm x 50mm	m	\$ 1.30
B2/7.14.12.3	25mm x 75mm	m	\$ 2.00
B2/7.14.12.4	25mm x 100mm	m	\$ 2.60
B2/7.14.12.5	25mm x 150mm	m	\$ 3.70
B2/7.14.12.6	25mm x 200mm	m	\$ 4.90
B2/7.14.12.7	50mm x 50mm	m	\$ 3.00
B2/7.14.12.8	50mm x 100mm	m	\$ 4.20
B2/7.14.12.9	50mm x 125mm	m	\$ 5.50
B2/7.14.12.10	50mm x 150mm	m	\$ 6.50
B2/7.14.13	<u>Remove existing, supply and install; Formica 0.7mm thick laminated plastic sheet; fixing with a contact adhesive; color as per selected standard color</u> Timber surfaces	m2	\$ 41.00
B2/7.14.14	<u>Remove existing, supply and install; maica 0.88mm thick high pressure laminate sheet; fixing with a contact adhesive; colour as per selected standard colour</u> Timber surfaces	m2	\$ 24.00
B2/7.14.15	<u>Relocate existing door to new location complete with approved painting, framing, jambs, hinges and any necessary fittings as per S.O instruction</u>		
B2/7.14.15.1	Single leaf	No.	\$ 10.00
B2/7.14.15.2	Single leaf with size of less than 900mm x 2100mm	No.	\$ 10.00
B2/7.14.15.3	Double equal leaf	No.	\$ 13.00
B2/7.14.15.4	Double unequal leaf	No.	\$ 13.00
B2/7.15	<u>Fittings</u>		
B2/7.15.1	<u>Demolish existing; Construct new fittings and fixtures generally in wrought treated red meranti including assembling, fixing in position, lugging and screwing to brickworks or concrete, painting, decorating and ironmongery</u>		
B2/7.15.1.1	Counter not exceeding 950mm (H) x 900mm (W)	m	\$ 235.00
B2/7.15.1.2	Low level cabinet not exceeding 750mm (H) x 600mm (W)	m	\$ 210.00
B2/7.15.1.3	Wall hung cabinet not exceeding 600mm (H) x 600mm (W)	m	\$ 195.00
B2/7.15.2	<u>Demolish existing; Construct new fittings and fixtures generally in wrought treated red meranti including assembling, fixing in position, lugging and screwing to brickworks or concrete, painting, decorating and ironmongery</u>		
B2/7.15.2.1	Benches not exceeding 500mm (H) x 500mm (W)	m	\$ 185.00
B2/7.15.2.2	Cabinet up to ceiling height with a width of 600mm and approx. height of 3m	m	\$ 550.00

Item No.	Description	Unit	Rate
B2/7.15.3	<u>Refix and repair to counter / cabinet / benches or to replace pictures / fittings with new to match existing, dispose debris off-site and make good works disturbed</u>		
B2/7.15.3.1	Frames	m	\$ 1.00
B2/7.15.3.2	Surfaces / Layers	m2	\$ 2.00
B2/7.15.3.3	Door	m2	\$ 2.00
B2/7.15.3.4	Adjust / tighten misaligned / loose knob / hinges / door / drawer	Lot	\$ 2.00
	<u>Remove existing door and replace, fabricate and install with new Solid Nytoh decorative door with frame (model No.: Km-01) complete with 6 nos x 100mm heavy duty standard steel hinges, "TITAN" decorative lockset, "Union 5610-180" door review er and "Union" safety lockset or other approved equivalent, 2 No.s x 150mm Tow Bolt, all to match existing</u>		
B2/7.15.4			
B2/7.15.4.1	Approx. size: ± 40mm x 1500mm x 2130mm, one-half leaf	set	\$ 450.00
B2/7.15.4.2	Approx. size: ± 40mm x 1830mm x 2130mm, double leaves	set	\$ 550.00
B2/7.15.5	<u>Remove existing door and replace with new single leaf solid glass wood panel decorative door with frame (pattern to OIC instructions and satisfaction) complete with 3 nos x 100mm heavy duty standard steel hinges, "Union" knob lockset or technically approved equivalent</u> Approx. size: ± 40mm x 915mm x 2100mm	set	\$ 365.00
B2/7.15.6	<u>Remove existing door and replace with new single leaf flush door consists of 25mm x 75mm internal timber framing joint together, 5mm thick plywood on both sides glued and nailed to the frames, lined with 12mm x 38mm tiber frames around door edges complete with 3 nos x 100mm brass hinges, "Union" knob (model No.: 9308) lockset or the other approved equivalent, and to suit door opening and other necessary works required as per OIC's instruction</u>		
B2/7.15.6.1	± 38mm x 815mm x 2058mm	set	\$ 115.00
B2/7.15.6.2	± 38mm x 915mm x 2134mm	set	\$ 129.00
B2/7.15.6.3	± 38mm x 750mm x 2100mm with 410mm x 410mm aluminium ventilation louvers and frames	set	\$ 140.00
B2/7.15.7	Remove existing flush door and to supply and install new approved decorative 715mm x 1960mm high "Nan-Ya Type 2" PVC door complete with PVC door frame, 2 nos x 50mm chrome plated hinges, "Union" knob lockset and to fit opening to existing master Bathroom, Quest Toilet and maid's Quarter's Bathroom	Set	\$ 135.00
B2/8.0	<u>IRONMONGERY</u>		
B2/8.1	<u>Supply and install stainless steel door lockset complete with screws as per S.O. or O.I.C's instruction</u>		
B2/8.1.1	rectangle lever lockset	No.	\$ 43.00
B2/8.1.2	round lever lockset	No.	\$ 22.00
B2/8.1.3	cylinder door knob lockset	No.	\$ 14.00
B2/8.1.4	sliding door lockset	No.	\$ 20.00
B2/8.2	<u>Supply and install; complete with screws as per S.O. or O.I.C's instruction</u>		
B2/8.2.1	stainless steel single cylinder deadbolts	No.	\$ 14.00
B2/8.2.2	stainless steel double cylinder deadbolts	No.	\$ 15.00
B2/8.2.3	rubber door stopper	No.	\$ 5.00
B2/8.2.4	stainless steel magnetic door stopper	No.	\$ 7.00
B2/8.3	<u>Remove existing, supply and fix 100mm Heavy duty steel butt hinges to B.S 1227 fixed to timber with matching screws;</u>		
B2/8.3.1	Stainless steel finish	No.	\$ 6.00
B2/8.3.2	Brass finish	No.	\$ 2.00
B2/8.4	Supply and fix Union 8094 CH indicating bolt or equivalent approved	No.	\$ 30.00
B2/8.5	Supply and fix Figo 587 SS or approved equivalent push button knob cylindrical lockset in brush silver finish	No.	\$ 30.00



Item No.	Description	Unit	Rate
B2/8.6	Supply and fix Figo 28A5 SN lever lockset or approved equivalent in brush silver finish	No.	\$ 60.00
B2/8.7	Supply and fix 90mm Union 8056 barrel bolt	No.	\$ 20.00
B2/8.8	<u>Remove, supply and fix 100mm Heavy duty steel butt hinges to B.S 1227 fixed to timber with matching screws;</u> Supply and fix 240mm Union 8056 barrel bolt	No.	\$ 25.00
B2/8.9	Remove, supply and fix Union 8850SE or approved equivalent door closer	No.	\$ 140.00
B2/8.10	<u>Remove existing and replace with new door lockset, as stated brand or other approved equivalent including other necessary works required.</u>		
B2/8.10.1	Union Knob Lockset	No.	\$ 21.00
B2/8.10.2	Union Double Lockset	No.	\$ 80.00
B2/8.10.3	Union Gower (model No.: 682-24-95)	No.	\$ 29.90
B2/8.10.4	Union Gower (model No.: 682-13-41)	No.	\$ 90.85
B2/8.10.5	Union Safety Lockset	No.	\$ 20.00
B2/8.10.6	Union 2477 mortice sliding lock, rebated	No.	\$ 38.54
B2/8.10.7	Union Door viewer	No.	\$ 8.40
B2/8.10.8	Union butt hinges	No.	\$ 4.00
B2/8.10.9	150mm door's Tow bolt	No.	\$ 5.00
B2/8.10.10	Union 8052 Flush Bolt, 150mm long	No.	\$ 25.20
B2/8.10.11	Union 8052 Flush Bolt, 200mm long	No.	\$ 30.45
B2/8.11	<u>Remove existing, supply and instal; Arhcitectural ironmongery fixed to timber or metal with matching screws</u> <u>Push plates; kicking plates with holes for lockset</u>		
B2/8.11.1	300mm x 200mm x 2mm	No.	\$ 30.00
B2/8.11.2	900mm x 200mm x 2mm	No.	\$ 75.00
B2/8.12	<u>Remove existing, supply and install;</u>		
B2/8.12.1	Union 7400 Door stops or approved equivalent; fixing to walls or floors	No.	\$ 11.00
B2/8.12.2	Rubber Door stops; fixing to walls or floors	No.	\$ 2.50
B2/8.12.3	anodised aluminium crescent lock for sliding window	No.	\$ 3.00
B2/8.12.4	anodised aluminium lever lock for window	No.	\$ 5.00
B2/8.12.5	mild steel dowels; letting into foot of timber frame / metal frame and concrete floor	No.	\$ 1.20
B2/8.12.6	door knob	No.	\$ 7.00
B2/8.13	<u>Remove existing and replace with new accessories to aluminium sliding doors / windows ancillaries / accessories and the likes including other necessary works required</u>		
B2/8.13.1	"RELIANCE " Sliding door lockset , or other approved equivalent	No.	\$ 8.70
B2/8.13.2	Aluminium Door Handles	No.	\$ 43.70
B2/8.13.3	Running Rollers	No.	\$ 5.75
B2/8.13.4	Running Track	No.	\$ 15.00
B2/8.13.5	Hinges	No.	\$ 5.00
B2/8.13.6	Aluminium Strips	m	\$ 5.00
B2/8.13.7	Neoprene Gasket	m	\$ 3.00
B2/8.13.8	Window Lock/Handle	No.	\$ 8.00
B2/8.14	<u>Signage</u>		
B2/8.14.1	<u>To supply and install 10mm acrylic embossed stainless steel door sign in approved color to the satisfaction of the Superintending Officer.</u>		
B2/8.14.1.1	Door sign, overall size; 250mm (W) x 60mm (H)	No.	\$ 15.00
B2/8.14.1.2	Door sign, overall size; 100mm (W) x 100mm (H)	No.	\$ 20.00
B2/8.14.2	<u>To supply and install 10mm acrylic door sign in approved color to the satisfaction of the Superintending Officer</u>		
B2/8.14.2.1	Door signage, overall size; 250mm (W) x 60mm (H)	No.	\$ 10.00
B2/8.14.2.2	Door signage, overall size; 100mm (W) x 100mm (H)	No.	\$ 15.00



Item No.	Description	Unit	Rate
B2/8.14.3	<u>Signages complete with prefabricated and moulded stainless steel panel in natural finish with plywood backing, bevel edging, lettering are in approved color with approved size and arabic lettering to be 3 times size of Malay lettering on grey color plastic sticker, all as per the satisfaction of the Superintending Officer.</u>		
B2/8.14.3.1	Door signage overall size 560mm long x 160mm high	No.	\$ 75.00
B2/8.14.4	<u>Signages complete with prefabricated and moulded stainless steel panel in natural finish cladded around to mild steel frame, lettering are in approved color with approved size and arabic lettering to be 3 times size of Malay lettering, all as per the satisfaction of the Superintending Officer.</u>		
B2/8.14.4.1	Floor directory signage overall size 1000mm long x 200mm wide x 1660mm high complete with reinforced concrete plinth.	No.	\$ 1,700.00
B2/8.14.5	<u>Signages complete with Islamic etching pattern on stainless steel plate, plain stainless steel plate with lettering in approved colour plastic sticker, 8mm thick colour perspex finish, fixed to brickwall with dome shape stainless steel flush bolts, all as per the satisfaction of the Superintending Officer.</u>		
B2/8.14.5.1	Floor indicator signage overall size 400mm long x 2000mm high	No.	\$ 1,200.00
B2/8.14.6	<u>Perspex base with coloured background, fibreglass at both sides and stainless steel channel frame; machine polished; 2 no. 75mm diameter x 2200mm high stainless steel tube posts with 75mm diameter stainless steel round balls complete with stainless steel bolts, washer and nuts; 200mm x 200mm x 300mm RC footing; logo, self adhesive lettering, 140mm high Arabic font and 75mm high Malay font of approved Colour ; all as per Superintending Officer approval</u>		
B2/8.14.6.1	1800mm x 1200mm x 5mm	No.	\$ 740.00
B2/8.14.6.2	1800mm x 1200mm x 8mm	No.	\$ 780.00
B2/9.0	<u>METAL WORKS</u>		
B2/9.1	<u>General repair to existitng anodised Swing / Sliding / Top hung / Side Hung Doors/Windows and the likes</u> General repair to existing anodised aluminium louvre door / window including making good to damaged items / parts including replacing of all necessary accessories and other fittings as per OIC's instructions	No.	\$ 10.00
B2/9.2	<u>Remove existing, supply and install Aluminium alloy windows, doors and screens generally to B.S 4873 complete with all necessary frame, neoprene gaskets, glazing, glazing beads, fixing devices and sealed all round</u>		
B2/9.2.1	anodised aluminium door complete with frame, hinges, lockset and any necessary accessories	m2	\$ 180.00
B2/9.2.2	anodised aluminium door with 6mm thick half glass complet ewith frame, hinges, lockset and any necessary accessories	m2	\$ 135.00
B2/9.2.3	anodised aluminium louvers door complete with frmae, hinges, lockset and any necessary accessories	m2	\$ 190.00
B2/9.3	<u>Remove existing and replace with new Aluminium Louver Door (Swing type) complete woth aluminium frame, hinges, handle, lockset, stopper and other necessary works required to match existing</u>		
B2/9.3.1	Generally	m2	\$ 185.00
B2/9.3.2	± 38mm x 700mm x 2100mm	Set	\$ 275.00
B2/9.3.3	Extra over, for reverse printing signage on and including 300mm x 150mm x 6mm thick acrylic base with ±80mm high text (Footlight mT Light)	No.	\$ 9.00
B2/9.3.4	Reverse printing signage on 6mm thick acrylic base, Footlight mT Light font/text, fixing to wall or door, colour and font height/content to OIC approval; Generally	m2	\$ 200.00
B2/9.4	Remove existing, fabricate and install clear and/or tinted glass sliding door with frame including glazing, glazing bead and neoprene gasket c/w lockset and fastener	m2	\$ 90.00
B2/9.5	Remove existing, fabricate and install swing door glazed with 6mm clear and/or tinted glass Including glazing bead and neoprene gasket c/w fram, lockset and fastener	m2	\$ 90.00



Item No.	Description	Unit	Rate
B2/9.6	Remove existing, supply and install; powder coated aluminium door glazed with 6mm clear glass c/w glazing beads including gaskets, waterproof cement frount all in accordance with manufacturer's detail	m2	\$ 190.00
B2/9.7	repair and fix loose/tilted/misaligned sliding window frames by joining or fastening with rivets including all fittings/accessories and make good work disturbed	No.	\$ 1.00
B2/9.8	<u>Remove existing and replace with new adjustable aluminium naco louvre window frame with clips for 150mm blades, fixing with screws, (glazing measure separately)</u>		
B2/9.8.1	5 blades	Set	\$ 10.50
B2/9.8.2	7 blades	Set	\$ 12.50
B2/9.8.3	8 blades	Set	\$ 14.00
B2/9.9	<u>Remove existing, supply and install; anodised aluminium alloy with frame; glazed with 5mm clear and/or light tinted glass, neoprene gasket and all accessories</u>		
B2/9.9.1	Sliding window	m2	\$ 75.00
B2/9.9.2	Fixed window	m2	\$ 75.00
B2/9.9.3	Top hung	m2	\$ 85.00
B2/9.9.4	Casement window	m2	\$ 85.00
B2/9.10	<u>Remove existing, supply and install; Powder coated aluminium extruded frame infilled with 6mm tinted reflective glass c/w glazing beads including gaskets, waterproof cement grout all in accordance with manufacturer's detail</u>		
B2/9.10.1	Sliding window	m2	\$ 145.00
B2/9.10.2	Fixed window	m2	\$ 145.00
B2/9.10.3	Top hung	m2	\$ 175.00
B2/9.10.4	Casement window	m2	\$ 175.00
B2/9.11	<u>Powder coated aluminium extruded frame infilled with 6mm tinted reflective glass c/w glazing beads including gaskets, waterproof cement grout all in accordance with manufacturer's detail</u>		
B2/9.11.1	Remove existing, fabricate and install fixed new adonised aluminium louvre panel with 150mm wide fixed louvres every 100mm centres complete with framing	m2	\$ 190.00
B2/9.11.2	Remove existing, supply and install; Powder coated aluminium sun breaker including frame and other accessories	m2	\$ 198.00
B2/9.11.3	Remove existing, fabricate and install Amplimesh aluminium security grille including framing	m2	\$ 161.00
B2/9.12	Remove existing, fabricate and install sliding security grille to door consists of 25mm x 50mm THS frame infilled with 9mm round mS bar c/w frame, track roller and guide, locksets etc	m2	\$ 95.00
B2/9.13	Remove existing, fabricate and install stainless sliding gate consists of 25mm x 50mm RHS frame infilled with 25mm SHS c/w frame, track roller and guide, locksets etc	m2	\$ 105.00
B2/9.14	<u>Remove existing, fabricate and fix new aluminium roller shutter</u>		
B2/9.14.1	including electric motor with wiring and control panel	m2	\$ 450.00
B2/9.14.2	including connection to existing electric motor	m2	\$ 300.00
B2/9.14.3	(manual mechanism type) including all other accessories	m2	\$ 300.00
B2/9.15	Remove existing, fabricate and fix new stainless steel flag pole 8000mm high; consists of 75mm diameter lower-half, 50mm diameter upper-half, 75mm diameter ball, titlable bracket, pulley and all accessories	No.	\$ 1,500.00
B2/9.16	<u>Replacement of new Aluminium Channel Curtain and the likes;</u>		
B2/9.16.1	Repair existing aluminium channel curtain track comprising pull card, guides, returns, running rollers and other accessories required inclusive refixing to wall	No.	\$ 10.00
B2/9.16.2	<u>Remove existing and replace with new aluminium curtain track complete with pull cord, guides, returns, running rollers, supports and other accessories required including fixing to wall generally</u>	m	\$ 9.40

Item No.	Description	Unit	Rate
B2/9.16.3	<u>Remove existing and replace with new aluminium curtain track accessories similar to existing inclusive refixing to its original position</u>		
B2/9.16.3.1	Pully cord	m	\$ 2.00
B2/9.16.3.2	Huides	No.	\$ 3.50
B2/9.16.3.3	Returns	No.	\$ 1.50
B2/9.16.3.4	Rollers	No.	\$ 0.50
B2/9.16.3.5	Pulley	No.	\$ 2.00
B2/9.17	<u>Mosquito Netting</u>		
B2/9.17.1	<u>Remove existing mosquito netting only and replace with new netting including fixing, installation and painting works where necessary; make good to affected surfaces and remove all debris offsite</u>		
B2/9.17.1.1	Nylon mesh netting	m2	\$ 4.50
B2/9.17.1.2	Aluminium mesh netting	m2	\$ 7.70
B2/9.17.2	<u>Remove existing mosquito netting and frame and replace with new including fixing, installation and painting works where necessary; all to match existing; make good to affected surfaces and remove all debris offsite</u>		
B2/9.17.2.1	Nylon mesh netting with timber framing	m2	\$ 8.50
B2/9.17.2.2	Aluminium mesh netting with aluminium framing	m2	\$ 13.50
B2/9.18	<u>Metal Structures</u>		
B2/9.18.1	<u>Removal of existing metal and replace with new mild steel columns, posts, trusses, purlins, rails, braces, ballusters and the like; base plate, blending, welded joints and all fixing accessories; provision of necessary supports;</u>		
B2/9.18.1a	<u>Square hollow section</u>		
B2/9.18.1a.1	25mm x 25mm	m	\$ 4.00
B2/9.18.1a.2	50mm x 50mm	m	\$ 7.00
B2/9.18.1a.3	75mm x 75mm	m	\$ 10.00
B2/9.18.1a.4	100mm x 100mm	m	\$ 15.00
B2/9.18.1b	<u>Rectangular hollow section</u>		
B2/9.18.1b.1	50mm x 75mm	m	\$ 9.00
B2/9.18.1b.2	50mm x 100mm	m	\$ 12.00
B2/9.18.1b.3	75mm x 100mm	m	\$ 13.00
B2/9.18.1b.4	75mm x 125mm	m	\$ 16.00
B2/9.18.1b.5	100mm x 150mm	m	\$ 22.00
B2/9.18.1c	<u>Circular hollow section</u>		
B2/9.18.1c.1	18mm Ø	m	\$ 4.00
B2/9.18.1c.2	25mm Ø	m	\$ 6.00
B2/9.18.1c.3	50mm Ø	m	\$ 11.00
B2/9.18.1c.4	100mm Ø	m	\$ 20.00
B2/9.18.2	<u>Removal of existing metal and replace with new galvanised columns, posts, trusses, purlins, rails, braces, ballusters and the like; base plate, blending, welded joints and all fixing accessories; provision of necessary supports;</u>		
	<u>Circular hollow section</u>		
B2/9.18.2.1	18mm Ø	m	\$ 6.00
B2/9.18.2.2	25mm Ø	m	\$ 9.00
B2/9.18.2.3	50mm Ø	m	\$ 14.00
B2/9.18.2.4	75mm Ø	m	\$ 20.00
B2/9.18.2.5	100mm Ø	m	\$ 23.00



Item No.	Description	Unit	Rate
B2/9.18.3	<u>Removal of existing metal and replace with new stainless steel columns, posts, trusses, purlins, rails, braces, ballusters and the like; base plate, blending, welded joints and all fixing accessories; provision of necessary supports;</u>		
	<u>Circular hollow section</u>		
B2/9.18.3.1	18mm Ø	m	\$ 6.00
B2/9.18.3.2	25mm Ø	m	\$ 9.00
B2/9.18.3.3	50mm Ø	m	\$ 14.00
B2/9.18.3.4	75mm Ø	m	\$ 20.00
B2/9.18.3.5	100mm Ø	m	\$ 23.00
B2/9.19	<u>Proprietary gratings, covers and frames</u>		
B2/9.19.1	<u>Remove existing, supply and install; fabricate and fix MS drain grating consists of 50mm x 50mm mS angle framing infilled with 9mm mS bar at 38mm centre painted</u>		
B2/9.19.1.1	Not exceeding 200mm wide	m	\$ 20.00
B2/9.19.1.2	Not exceeding 250mm wide	m	\$ 25.00
B2/9.19.1.3	Not exceeding 300mm wide	m	\$ 30.00
B2/9.19.1.4	Not exceeding 330mm wide	m	\$ 33.00
B2/9.19.2	<u>Remove existing, supply and install; fabricate and fix heavy duty MS grating with 75mm x 75mm mS angle framing infilled with 12mm high tensile bar at 40mm centre painted</u>		
B2/9.19.2.1	Not exceeding 200mm wide	m	\$ 40.00
B2/9.19.2.2	Not exceeding 250mm wide	m	\$ 45.00
B2/9.19.2.3	Not exceeding 300mm wide	m	\$ 50.00
B2/9.19.2.4	exceeding 500mm wide	m	\$ 60.00
B2/9.19.3	<u>Remove existing; supply and lay new M.S. grating comprising of 50mm x 10mm thick flat bar as perimeter framing welded with two 50mm x 6mm thick flat hinge; infilled with 50mm x 10mm thick flats at 50mm centre; 50mm x 50mm x 6mm thick angle frame on one side and 100mm x 50mm x 6mm thick angle frame on the other side welded with 16mm diameter high tensile steel pin connecting to hinges; R10hook fillets cast into reinforced concrete drain wall at 300mm centres with one end welded angle frame; including hacking and making good to existing R.C drain wall; complete with approved painting; all to OIC's instructions and approval</u>		
B2/9.19.3.1	Not exceeding 300mm wide drain	m	\$ 111.00
B2/9.19.3.2	generally	m2	\$ 370.00
B2/9.19.4	<u>Remove existing, fabricate and install MS security grille to window consists of 25mm x 25mm SHS frame infilled with;</u>		
B2/9.19.4.1	9mm round bar in diamond pattern spaced 100mm horizontally and 150mm vertically, all joints welded, complete with priming, painting and other necessary works required	m2	\$ 77.50
B2/9.19.4.2	20mm x 4mm flat in brick pattern	m2	\$ 77.50
B2/9.19.5	Remove existing, fabricate and install swing MS security grille door consists of 25mm x 50mm RHS frame infilled with 9mm round mS bar c/w frame, hinges, locksets etc	m2	\$ 95.00
B2/			
B2/9.19.6	Remove existing, fabricate and install swing type MS securitygrille to door consists of 25mm x 75mm x 3mm hollow section as outer frame, infilled with 9mm round bar in diamond shape pattern spaced 100mm horizontally and 150mm vertically, all joints welded, complete with angle bar frame, lockset, hinges, priming, painting and other necessary works required	m2	\$ 150.00
B2/9.19.7	Remove existing, fabricate and install sliding type MS security grille to door consists of 25mm x 75mm x 3mm hollow section as outer frame, infilled with 9mm round bar in diamond shape pattern spaced 100mm horizontally and 150mm vertically, all joints welded, complete with rails, track, rollers, lockset, hinges, priming, painting and other necessary works required	m2	\$ 200.00
B2/9.19.8	Remove existing, fabricate and install MS collapsible gate including running track, lockset and other necessary accessories	m2	\$ 130.00

Item No.	Description	Unit	Rate
B2/9.19.9	Repair and fix loose / tilted / misaligned sliding security grille including running track by adjusting or tightening existing accessories and fittings or to replace with new and make good work disturbed.	Lot	\$ 10.00
B2/9.19.10	General repair to existing rubbish chute's door to smooth opening and good working condition including replacement of new botls, welding works, painting works and other necessary works reuired	No.	\$ 30.00
B2/9.19.11	<u>Remove existing and fabricate and install new double leaf in two equal leaves Aluminium Rubbish door including handle, bolts, hinges, stopper, welding works (where necessary), locksets, painting works, making good to affected surfaces, remove all debris offsite and other necessary works required</u>		
B2/9.19.11.1	1580mm x 720mm	No.	\$ 340.00
B2/9.19.11.2	generally	m2	\$ 300.00
B2/9.19.12	<u>Remove existing and fabricate and install new stainless steel Rubbish Chute's Door including handle, bolts, hinges, stopper, welding works (where necessary), locksets, painting works, making good to affected surfaces, remove all debris offsite and other necessary works required</u> generally	No.	\$ 80.00
B2/9.19.13	Remove existing and fabricate and install new heavy duty stainless steel hinges, welded to door and frame, all to OIC approval	m	\$ 30.00
B2/9.20	To hack and form shallow scupper drain 100mm - 150mm wide including tiling if necessary and all necessary works	m	\$ 10.00
B2/9.21	<u>Remove existing, supply and install the following; Fabricate and fix new metal handrail 1100mm high; complete with welded joints, plates, covering plates, botls, cast into concrete; make good works disturbed;</u>		
B2/9.21.1	<u>mild steel handrail consists of 75mm x 50mm x top rail and bottom rail and post at 2000mm centre with 9mm x 9mm solid MS baluster at 100mm c/c</u>		
B2/9.21.1.1	Corridor	m	\$ 60.00
B2/9.21.1.2	Staircase	m	\$ 62.00
B2/9.21.2	<u>Stainless steel (Grade 316) handrail consists of 50mm top rail and post at 200mm centre and 38mm bottom rail infilled with 18mm baluster at 100mm centre</u>		
B2/9.21.2.1	Corridor	m	\$ 140.00
B2/9.21.2.2	Staircase	m	\$ 142.00
B2/9.21.3	<u>Galvanised iron handrail consists of 50mm x 25mm top rail and bottom rail and post at 2000mm centre with 9mm x 9mm solid MS baluster at 100mm c/c</u>		
B2/9.21.3.1	Corridor	m	\$ 80.00
B2/9.21.3.2	Staircase	m	\$ 82.00
B2/9.21.4	Repair and fix loose/tilted/misaligned/shaky handrails or posts by tightening existing with new additional posts, balustrade, reinforcement complete with welded joints, plates, covering plates, bolts, cast into concrete and all necessary works and make good works disturbed	No.	\$ 20.00
B2/9.22	<u>Remove, supply and install metal plate cover and all necessary works and make good works disturbed</u>		
B2/9.22.1	mild steel	m2	\$ 8.00
B2/9.22.2	aluminium	m2	\$ 12.00
B2/9.22.3	stainless steel	m2	\$ 16.00
B2/9.23	<u>Remove, supply and install mild steel 'L' angle bar and all necessary works and make good works disturbed</u>		
B2/9.23.1	25mm / 25mm x 3mm thick	m	\$ 2.10
B2/9.23.2	40mm / 40mm x 5mm thick	m	\$ 4.50
B2/9.23.3	50mm / 50mm x 5mm thick	m	\$ 7.80



Item No.	Description	Unit	Rate
B2/10.0	<u>PLASTERER, FLOOR AND WALL FINISHES</u>		
B2/10.1	<u>Insitu Finishes</u>		
	<u>Cement and sand screed (1:3 mix) to receive finishes</u>		
B2/10.1.1	13mm thick to walls	m2	\$ 6.50
B2/10.1.2	25mm thick to concrete floor, walls etc; laid to fall if required	m2	\$ 8.00
B2/10.1.3	38mm thick to concrete floor laid to fall	m2	\$ 11.00
B2/10.2	<u>Removal & Laying/Relaying Existing/New Tile Finishes</u>		
B2/10.2.1	<u>Carefully remove existing tile finishes, clean and remove mortar on back of existing tile surface / finishes; set aside for reuse to new location and remove all debris offsite</u>		
B2/10.2.1.1	wall/ floor	m2	\$ 3.50
B2/10.2.1.2	nosing/skirting	m2	\$ 1.00
B2/10.2.2	<u>Relay existing tiles to new location bedded on Nicobond CT300 or other approved equivalent adhesive on and including 20mm thick cement and sand (1:3 mix) screed; with 6mm joints / similar to existing; grouting and pointing in Nicobond tiler's grout; including general cleaning and polishing upon completion</u>		
B2/10.2.2.1	wall/ floor	m2	\$ 15.00
B2/10.2.2.2	nosing/skirting	m	\$ 2.00
B2/10.2.3	<u>Supply and install new tiles to match existing or to O.I.C's instructions and approval; bedded on Nicobond CT300 or other approved equivalent adhesive on and including 20mm thick cement and sand (1:3 mix) screed; with 6mm joints / similar to existing; grouting and pointing in Nicobond tiler's grout; including general cleaning and polishing upon completion</u>		
B2/10.2.3.1	Cearmic tiles	m2	\$ 25.00
B2/10.2.3.2	Homogeneous tiles	m2	\$ 46.00
B2/10.2.3.3	Homogeneous Polished tiles	m2	\$ 72.00
B2/10.2.3.4	Homogeneous Rock Finish tiles	m2	\$ 47.00
B2/10.2.3.5	nosing	m	\$ 4.00
B2/10.2.3.6	100mm skirting	m	\$ 4.00
B2/10.3	<u>Carpet Floor Finishes</u>		
B2/10.3.1	<u>Supply and install carpet wall to wall laid on complete prepared screed/ rubber underlay using appropriate adhesive, joint carefully, matching edging c/w aluminium edging strip to door area</u>		
B2/10.3.1.1	5mm	m2	\$ 30.00
B2/10.3.1.2	7mm	m2	\$ 38.00
B2/10.3.1.3	8.2mm	m2	\$ 90.00
B2/10.3.2	<u>Supply and install carpet tile laid on prepared screed/rubber underlay using appropriate adhesive, joint carefully, matching edging c/w aluminium edging strip to door area</u>		
B2/10.3.2.1	plain	pcs	\$ 4.00
B2/10.3.2.2	pattern	pcs	\$ 6.00
B2/10.3.2.3	special	pcs	\$ 9.00
B2/10.3.2.4	plain	m2	\$ 39.00
B2/10.3.2.5	pattern	m2	\$ 63.00
B2/10.3.2.6	special	m2	\$ 99.00
B2/10.4	<u>Vinyl Floor Finishes</u>	m2	\$ 40.00
	<u>Supply and install Vinyl floor finishes on complete prepared screed/ rubber underlay using appropriate adhesive, joint carefully, matching edging c/w aluminium edging strip to door area</u>		



Item No.	Description	Unit	Rate
B2/10.5	<u>SPC Floor Finishes</u> Supply and install SPC floor finishes on complete prepared screed/ rubber underlay using appropriate adhesive, joint carefully, matching edging c/w aluminium edging strip to door area		
B2/10.5.1	5mm	m2	\$ 60.00
B2/10.5.2	8mm	m2	\$ 80.00
B2/10.6	<u>Timber Laminated Floor Finishes</u> Supply and install Timber Laminated floor finishes prepared screed using appropriate adhesive, complete with necessary joining works including all other necessary works required as instructed by the S.O or O.I.C	m2	\$ 40.00
B2/10.7	<u>Parquet Flooring Finishes</u>		
B2/10.7.1	Remove and hack all existing defective parquest finishes including existing mastic bedding exposing bare concrete using approved hand and/or low-powered tools; inclusive of disposing haced materials and/or finishes off-site to approved dumping area; cleaning and preparing exposed surfaces ready for re-laying new materials and/or floor finishes.	m2	\$ 10.00
B2/10.7.2	Supply, deliver and lay new 12mm thick teak patterned parquet flooring to BS4050; square edged; inclusive of fixing and bedding in mastic; sanding to smooth ready to receive varnishing/timber tone; as per OIC approval and satisfaction.	m2	\$ 40.00
B2/10.8	<u>Polypropylene Sports Floor Finishes</u>		
B2/10.8.1	Supply and install new polypropylene sports flooring surfaces approx. size: 25cm x 25cm x 12.7mm or approved equivalent including painting, install strictly in accordance to manufacturer's recommendation (Please state Alternative Brand:)	m2	\$ 150.00
B2/10.8.2	Remove existing; supply and lay Covacrete or any technically approved equivalent which consists of preparation of existing surface, priming the surface, application of base coat (Lokcote CC & Resurfacing Powder) of estimated 3mm - 5mm thickness, placing of the selected pattern stencil design, application of the top coat (selected colour) of recommended thickness (2mm - 4mm), removal of stencil or tape, and finished with lustre seal sealer all done in accordance to manufacturer's specification.	m2	\$ 32.00
B2/10.9	Supply and install 5mm rubber underlay to receive finishes on prepared screed using appropriate adhesive and apply tape along the full length of each joint carefully.	m2	\$ 8.00
B2/10.10	<u>External Wall Cladding</u>		
B2/10.10.1	<u>Metal Cladding</u>		
B2/10.10.1.1	Remove existing ; Supply and install/ fix approved metal sheet with Polyvinylidene fluoride (PVDF) coating complete with all necessary structural support frames, sub-structure frames, etc including bracket, bolts, capping, coping, sealant, anchorages and all necessary proprietary fixings; all in accordance with Manufacturer's Specification and Instructions.		
	<u>INTERLINE' metal wall cladding;</u>		
B2/10.10.1.1.1	0.53mm thick TCT external cladding system 470mm width	m2	\$ 35.00
B2/10.10.1.1.2	0.47mm thick TCT external cladding system 470mm width	m2	\$ 31.00
	<u>'LSL' metal wall cladding</u>		
B2/10.10.1.1.3	0.47mm thick TCT external cladding system 760mm width	m2	\$ 11.00
B2/10.10.1.1.4	0.40mm thick TCT external cladding system 760mm width	m2	\$ 10.00



Item No.	Description	Unit	Rate
	<u>'LYSAGHT' metal wall cladding:</u>		
B2/10.10.1.1.5	0.53mm thick TCT external cladding system 500mm width	m2	\$ 21.00
B2/10.10.1.1.6	0.47mm thick TCT external cladding system 500mm width	m2	\$ 18.00
B2/10.10.2	<u>Aluminium Cladding</u>		
B2/10.10.2.1	<u>Remove existing; Supply and install / fix approved aluminium composite panel (ACP) cladding complete with 3 layers of nano-pvdf coating and including aluminium alloy frame, aluminium slats, all necessary structural support frames and fittings, accessories, etc including bracket, bolts, pointing frame, all strictly in accordance with the Superintending Officer's and Manufacturer's Specification and Instructions.</u>		
B2/10.10.2.1.1	'SKY RAINBOW', 4mm thick to wall and column	m2	\$ 165.00
B2/10.10.2.1.2	'ALUCOBOND', 4mm thick to wall	m2	\$ 145.00
B2/10.10.2.1.3	'ALUCOMAT', 4mm thick to wall	m2	\$ 165.00
B2/10.10.2.1.4	'SKY RAINBOW', 4mm thick to ceiling	m2	\$ 165.00
B2/10.10.2.1.5	'ALUCOBOND', 4mm thick to ceiling	m2	\$ 145.00
B2/10.10.2.1.6	'ALUCOMAT', 4mm thick to ceiling	m2	\$ 165.00
B2/10.11	<u>Wall Finishes</u>		
B2/10.11.1	Supply and install WPC wall finishes using appropriate adhesive, complete with necessary joining works including all other necessary works required as instructed by the S.O or O.I.C	m2	\$ 90.00
B2/10.11.2	Fabricate, supply and install new acrylic pattern wall finishes complete with all necessary accessories to be approved by S.O or O.I.C's instructions and requirement.	m2	\$ 260.00
B2/11.0	<u>RAINWATER GOODS</u>		
B2/11.1	<u>Remove existing, supply and install; UPVC rainwater downpipe with solvent welded joints complete with bends, branches; bracketed off walls with pipe clips and any necessary bends, branches, shoes etc.</u>		
B2/11.1.1	100mm diameter	m	\$ 13.00
B2/11.1.2	150mm diameter	m	\$ 20.00
B2/11.2	<u>Remove existing, supply and install gutter outlet with spigots for pipe</u>		
B2/11.2.1	100mm diameter pipe	No.	\$ 40.95
B2/11.2.2	150mm diameter pipe	No.	\$ 61.95
B2/11.3	<u>Hack existing concrete or cut into metal gutter and cast into concrete including all necessary formwork</u>		
B2/11.3.1	100mm diameter	m	\$ 15.00
B2/11.3.2	150mm diameter	m	\$ 22.00
B2/11.4	Repair to leaking; metal roof; UPVC gutter; metal gutter with sealant to all bolt heads and leaking joints/gap and replacing/refixing existing ridge capping and tightening all roof connection and apply CPRU approved waterproofing coatings to surfaces of roof/internal of gutter.	m2	\$ 50.00
B2/11.5	Remove existing damaged UPVC or metal gutter, downpipes, etc. and dispose offsite and prepare existing roof structure to receive new finishing.	m	\$ 3.00
B2/11.6	Remove and replace with new UPVC gutter similar to existing and/or as in accordance with O.I.C's instructions. Fixing on and including galvanised steel brackets and make good to affected surfaces	m	\$ 29.00
B2/11.7	Remove and replace with new metal gutter similar to existing and / or as in accordance with OIC's instructions. Fixing on and including galvanised steel brackets and make good to affected surfaces	m	\$ 35.00



Item No.	Description	Unit	Rate
B2/12.0	<u>SANITARY FITTINGS</u>		
B2/12.1	<u>Demolition / Remove existing sanitary fittings</u> <u>To take out and remove the existing sanitary fittings complete with all brackets, hangers, accessories, etc. Rate shall include provisions for temporary disconnection of existing hot and cold water and soil and waste pipes and to seal off temporarily with appropriate plug / closer. Rate shall also include seal off any opening temporarily so as to avoid blockages, to make good the affected area to match existing and prepare to receive new sanitary fittings and to OIC's approval and satisfaction</u>		
B2/12.1.1	wash basins	No.	\$ 12.00
B2/12.1.2	Vanity wash basins including hacking out and removing off reinforced concrete counters, walls, etc.	No.	\$ 35.00
B2/12.1.3	W.C suites complete with cistern	No.	\$ 35.00
B2/12.1.4	Squatting closet type including hacking and removing concrete plinths	No.	\$ 35.00
B2/12.1.5	Long bath including hacking out and removing concrete plinths / shower mixer	No.	\$ 35.00
B2/12.1.6	Shower trays	No.	\$ 35.00
B2/12.1.7	Concrete water usage	No.	\$ 23.00
B2/12.2	<u>Remove & set aside for re-use</u> <u>To take out, remove and set aside for re-use of existing sanitary fittings and to reinstall including reassembl and rejoining together with new plugging and screwing and / or building new screws, hangers, brackets, clips and any necessary fittings and connector's to wall and soffits, and jointing to existing hot and cold water or soil and waste pipes. Rate shall include provision for temporary disconnection of existing hot and cold water and soil waste pipes and to seal off any opening temporarily with appropriate plug / closer. Rate shall aslo include to seal off any opening temporarily so as to avoid blockages, to make good the affected area to match existing, to dispose debris offsite to contractor's own dump area and to OIC's approval and satisfaction</u>		
B2/12.2.1	wash basins	No.	\$ 23.00
B2/12.2.2	Vanity wash basins including hacking out and removing off reinforced concrete counters, walls, etc.	No.	\$ 46.00
B2/12.2.3	W.C suites complete with cistern	No.	\$ 46.00
B2/12.2.4	Squatting closet type including hacking and removing concrete plinths	No.	\$ 46.00
B2/12.2.5	Long bath including hacking out and removing concrete plinths / shower mixer	No.	\$ 35.00
B2/12.2.6	Shower trays	No.	\$ 30.00
B2/12.3	Remove existing stainless steel sink unit including hacking out concrete bench, application of silicone sealant and make good disturbed	No.	\$ 30.00
B2/12.4	To supply and install new stainless steel sink unit including hacking out concrete bench, application of silicone sealant and make good and including assembling and jointing together, plugging and screwing and / or building in screws, hangers, brackets, clips and pointing all around with mastic or silicone sealant, etc. to wall and soffits and jointing to existing hot and cold water and osil and waste pipes with all new necessary accessories, connectors and fittings	No.	\$ 173.00
B2/12.5	<u>General repair to sanitary fittings and the likes</u> Refix any loose sanitary accessories such as wash basins, mirrors, brackets, etc.	No.	\$ 5.00
B2/12.6	<u>To supply and install new sanitary fittings, brand as stated or other approved equivalent, including assembling and jointing together, plugging and screwing and / or building in screws, hangers, brackets, clips and pointing all round with mastic or silicone sealent, etc. to wall and soffits and jointing to existing hot and cold water and soil and waste pipes with all the new necessary accessories, connectors and fittings</u>		
B2/12.6.1	<u>move existing and replace with new Long Bath Tub "Armitage Shanks" or any brand approved by the OIC / S.O including all necessary tiling works waste and water supply pipe connection</u> White	No.	\$ 296.00



Item No.	Description	Unit	Rate
B2/12.6.2	Take out existing and replace with new 800mm x 800mm fiber glass shower tray White	No.	\$ 259.00
B2/12.6.3	Wash basins; vitreous china, wall hung with fixing brackets, 15mm trap waste, plug, chain and bolt stay White	Set	\$ 120.00
B2/12.6.4	Vanity wash basins; above counter typr, citreous china; concealed fixing brackets; top 1½" bead chain, waste and plug; 80mm slotted tail; bolt stay; 1½" plastic / chrome plated bottle trap with 75mm seal; fixing clips and bolts; and including to construct / making good on reinforced concrete vanity counters where applicable (tiling works measured seperately) White	Set	\$ 130.00
B2/12.6.5	American Standard Kimera TF-0996 / 0792 Wash Basin : 611mm x 504mm x 830mm complete with pedestal or approved equivalent	Set	\$ 140.00
B2/12.6.6	Remove existing and replace with new plug & chain to wash basin / sink to match existing	Set	\$ 5.00
B2/12.6.7	Remove exsiting and replace with new stainless steel laundry basin including applying silicone sealent and other necessary works required		
B2/12.6.7.1	Single bowl with single drainer	Set	\$ 100.00
B2/12.6.7.2	Single bowl with double drainer	Set	\$ 150.00
B2/12.6.7.3	Double bowl with single drainer	Set	\$ 150.00
B2/12.6.7.4	Double bowl with double drainer	Set	\$ 188.00
B2/12.6.8	Vanity top deep reinforced with 2 layers of BRC A7 with oval opening and tiles all exposed surfaces with homogeneous tiles finish to; 100mm thick x 900mm long x 600mm deep for 1 no. of sink	No.	\$ 200.00
B2/12.6.9	Remove the existing and fix new wash basin wall hung with fixing brackets; trap, waste, plug and other necessary items		
B2/12.6.9.1	Oval-shaped "White Vitreous China"	No.	\$ 80.00
B2/12.6.9.2	Wash Basin, 400mm x 550mm - White	No.	\$ 90.00
B2/12.6.9.3	Wash Basin, 360mm x 450mm - White	No.	\$ 80.00
B2/12.6.10	Cast iron brackets including fixing to the tile / concrete wall	No.	\$ 15.00
B2/12.6.11	Ditto but to remove and replace Wash basin including tap, cast iron brackets and all fittings	No.	\$ 180.00
B2/12.6.12	Ditto but to remove and replace cast iron bracket for wash hand basin and necssary fittings only	No.	\$ 18.00
B2/12.6.13	Remove existing water closet / cistern, complete with all necessary works and make good disturbed	No.	\$ 25.00
B2/12.6.14	Supply and install new American Standard complete with all necessary accessories, tank fittings, brackets, flush pipes and jointing to pipe work with all necessary connectors and make good		
B2/12.6.14.1	American Standard: Squatting type or other technically approved equivalent (Vitreous China high / low - White)	No.	\$ 290.00
B2/12.6.14.2	American Standard or other approved equivalent (Vitreous China high / low - White)	No.	\$ 300.00
B2/12.6.14.3	American Standard close coupled or other technically approved equivalent (Viterous China - White)	No.	\$ 300.00
B2/12.6.15	Water Closet Cistern Tank with complete necessary fittings		
B2/12.6.15.1	UPVC	No.	\$ 40.00
B2/12.6.15.2	Viterous Chona or other technically approved equivalent	No.	\$ 80.00



Item No.	Description	Unit	Rate
B2/12.6.16	<u>Cistern Cover</u>		
B2/12.6.16.1	Plain Vitreous China	No.	\$ 48.00
B2/12.6.16.2	Plain UPVC	No.	\$ 15.00
B2/12.6.16.3	With dual flush push mechanism	No.	\$ 60.00
B2/12.6.17	<u>Water Closet Bowl</u>		
B2/12.6.17.1	European Type	No.	\$ 200.00
B2/12.6.17.2	Asian Squatting Type	No.	\$ 150.00
B2/12.6.17.3	Ditto but to replace Single Bowl Toilet	No.	\$ 134.00
B2/12.6.17.4	Ditto but to replace Toilet Flush Valve w/ vacuum breaker	No.	\$ 324.00
B2/12.6.17.5	Ditto but to replace Toilet Inlet Spud	No.	\$ 40.00
B2/12.6.17.6	Ditto but to replace Squatting Toilet (Top Inlet)	No.	\$ 150.00
B2/12.6.17.7	Ditto but replace Squatting toilet flush valve w/ vacuum breaker	No.	\$ 380.00
B2/12.6.18	<u>Bath Room accessories</u>		
B2/12.6.18.1	Ditto but 500mm x 150mm glass shelving complete with chromium plated brackets	No.	\$ 27.00
B2/12.6.18.2	Ditto but 150mm x 150mm soap holder, toilet roll holder or approved equivalent	No.	\$ 45.00
B2/12.6.18.3	Ditto but 610mm long towel rail with brackets (Chrome plated) or approved equivalent	No.	\$ 45.00
B2/12.6.19	<u>Concrete counter (Vanity counter)</u> Ditto but remove and to construct 100mm thick reinforced concrete vanity counter complete with homogenous tile to expose area, inside and base, 1 rack, 1 layer BRC No. 65, approx. size 2000mm (L) x 600mm (W) x 750mm (H) aluminium sliding window	m	\$ 200.00
B2/12.6.20	<u>Pedestal pan seat and cover</u>		
B2/12.6.20.1	Ordinary (White)	No.	\$ 15.00
B2/12.6.20.2	Close - coupled heavy duty (White)	No.	\$ 40.00
B2/12.6.21	<u>Low level W.C suites vitreous china pedestal pan complete with 6/3 litre dual flush including assembling and jointing together, plugging and screwing or building in screws, hangers, brackets, etc. and jointing to pipework with all necessary connectos and make good to affected surfaces, all to match existing</u> White	Set	\$ 300.00
B2/12.6.22	Water closet cistern, low level vitreous china pedestal pan including other necessary accessories and works required White	Set	\$ 120.00
B2/12.6.23	Remove existing and replace with new plastic cistern including other necessary accessories and works required	Set	\$ 50.00
B2/12.6.24	Remove existing and replace with new tank fitting to W.C cistern	No.	\$ 50.00
B2/12.6.25	Ditto with new 1½" Ø UPVC flush pipe including connection to cistern and pan, brackets fixing to wall	No.	\$ 12.00
B2/12.6.26	Ditto with new rubber joint connector for W.C inlet flush pipe	No.	\$ 12.00
B2/12.6.27	Remove and connect new expansion bolt for W.C cistern including drilling holes on concrete wall	No.	\$ 15.00
B2/12.6.28	<u>Remove existing and replace new soap / sponge holder to match existing or other pproved equivalent</u>		
B2/12.6.28.1	American Standard - 150mm x 150mm soap holder	No.	\$ 20.00
B2/12.6.28.2	American Standard - 250mm x 150mm soap and sponge holder	No.	\$ 25.00
B2/12.6.29	<u>Remove existing and replace with new Single lever shower mixer, including all accessories and necessary works and make good all work disturbed in material to match existing</u> American Standard or equivalent	No.	\$ 140.00



Item No.	Description	Unit	Rate
B2/12.6.30	<u>Remove existing and replace with new ½" Ø Bath mixer as stated brand or other approved equivalent, complete with telephone shower, 1200mm flexible hose including all necessary accessories, piping, threading, connections and plumbing works required, all to match existing American Standard or equivalent</u>	No.	\$ 75.00
B2/12.6.31	<u>Remove existing and replace the following item including sliding handle and all necessary accessories, threading and connections works required, all to match existing</u>		
B2/12.6.31.1	New Hand / Telephone shower complete with 1200mm flexible hose for bath mixer	No.	\$ 58.00
B2/12.6.31.2	New Hand / Telephone shower	No.	\$ 29.00
B2/12.6.31.3	New 4" Ø shower rose / head	No.	\$ 31.00
B2/12.6.31.4	New Hand Spray only (without flexible hose)	No.	\$ 9.00
B2/12.6.32	<u>Remove existing and replace with new;</u>		
B2/12.6.32.1	½" Ø x 1200mm long flexible hose	No.	\$ 9.00
B2/12.6.32.2	½" Ø x 1200mm long stainless steel hose	No.	\$ 12.00
B2/12.6.32.3	½" Ø x 1200mm long stainless steel hose, Nozzle type	No.	\$ 15.00
B2/12.6.32.4	Stainless steel towel rail with brackets (length 900mm - 1200mm)	No.	\$ 45.00
B2/12.6.33	<u>Mirror</u>		
B2/12.6.33.1	Remove existing mirror including aluminium framing of any sizes	No.	\$ 10.00
B2/12.6.33.2	Remove existing and replace with new wall mirror consists of 6mm thick polished plate glass mirror bonded to 13mm x 13mm WBP quality backing, 13mm x 13mm satin anodised aluminium framing surround, plugged and screwed to wall	m2	\$ 80.00
B2/12.6.34	<u>Anal Spray & Nozzle</u>		
B2/12.6.34.1	Remove existing; replace and fix new chrome-plated anal spray including hose and lever type tap. To fix CPRU approved or any other approved equivalent	No.	\$ 40.00
B2/12.6.34.2	<u>Remove existing, replace and fix the new following item, brand to follow existing or any other approved equivalent</u>		
B2/12.6.34.2a	UPVC anal spray including hose and lever type tap	No.	\$ 35.00
B2/12.6.34.2b	Anal nozzle hose and lever type tap	No.	\$ 30.00
B2/12.6.34.2c	Single lever bath & shower	No.	\$ 193.00
B2/12.6.35	<u>Stainless Steel / Aluminium Kitchen Sink</u>		
B2/12.6.35.1	<u>Remove the existing and fix including application of silicone sealant and hacking out concrete bench and make good disturbed</u>		
B2/12.6.35.1a	Single bowl drainer	No.	\$ 110.00
B2/12.6.35.1b	Double bowl drainer	No.	\$ 190.00
B2/12.6.35.2	Ditto but remove and replace single bowl drainer approx. 1200mm long, including single lever swivel spout sink mixer goose neck tap and all fittings	No.	\$ 260.00
B2/12.6.35.3	Ditto but remove and replace double bowl drainer approx. 1800mm long, including single lever swivel spout sink mixer goose neck tap and all fittings	No.	\$ 450.00
B2/12.6.35.4	Ditto but remove and replace single bowl drainer S/S Sink (approx. 765mm 480mm x 180mm, including 3½ basket strainer waste S/S, UPVC bottle trap, ½" x ½" angle stop cock (Tringle) and all fittings	No.	\$ 360.00
B2/12.7	<u>Sundries</u>		
	<u>Remove the existing and fix new including short waste, plug, chain and stay and all necessary hacking out concrete floor tile and make good disturbed</u>		
B2/12.7.1	<u>Bottle Trap / Tubular / P Trap</u>		
B2/12.7.1.1	UPVC - 38mm diameter bottle trap	No.	\$ 12.00
B2/12.7.1.2	UPVC - 45mm diameter bottle trap	No.	\$ 14.00
B2/12.7.1.3	UPVC - 50mm diameter Tubular "P" trap	No.	\$ 20.00
B2/12.7.1.4	UPVC - 75mm diameter "P" trap with rodding eyes	No.	\$ 23.00
B2/12.7.1.5	HDPE bottle trap	No.	\$ 25.00
B2/12.7.1.6	Stainless steel - 50mm diameter "P" trap	No.	\$ 50.00



Item No.	Description	Unit	Rate
B2/12.7.2	Ditto but remove and replace "SHOWY" but plastic bottle trap various size	No.	\$ 10.50
B2/12.7.3	<u>Remove the existing and replace new with UPVC gully trap with rodding access to B.S 4660 with metal removable flat grating cast into concrete</u>		
B2/12.7.3.1	100mm diameter	No.	\$ 80.00
B2/12.7.3.2	150mm diameter	No.	\$ 100.00
B2/12.7.4	<u>Remove the existing and replace new with UPVC floor traps with rodding access to B.S 4660 with all necessary connectors and jointing to pipes</u>		
B2/12.7.4.1	UPVC floor drain trap grating	No.	\$ 10.00
B2/12.7.4.2	150mm x 150mm UPVC hinge floor grating	No.	\$ 15.00
B2/12.7.4.3	> 150mm x 150mm UPVC hinge floor grating	No.	\$ 20.00
B2/12.7.5	<u>Stainless steel floor drain trap grating</u>		
B2/12.7.5.1	100mm diameter stainless steel floor grating	No.	\$ 25.00
B2/12.7.5.2	150mm diameter stainless steel floor grating	No.	\$ 30.00
B2/12.7.5.3	Ditto but to remove and replace 32mm (1¼") diameter Chromium plated flat grating	No.	\$ 5.00
B2/12.7.5.4	Ditto but to remove and replace 40mm (1½") diameter Chromium plated flat grating	No.	\$ 6.00
B2/12.7.5.5	Ditto but to remove and replace 50mm (2") diameter Chromium plated flat grating	No.	\$ 5.00
B2/12.7.5.6	Ditto but to remove and replace 75mm (3") diameter Chromium plated flat grating	No.	\$ 6.00
B2/12.7.5.7	Ditto but to remove and replace 100mm (4") diameter Chromium plated flat grating	No.	\$ 8.00
B2/12.7.5.8	Ditto but to remove and replace 100mm SHOWY 7044 (4") diameter Chromium plated flat grating	No.	\$ 34.00
B2/12.7.5.9	Ditto but to remove and replace gully trap cover for 150mm x 150mm to 300mm x 300mm (M.S)	No.	\$ 30.00
B2/12.7.5.10	<u>Ditto but to remove and replace gully trap size:</u>		
B2/12.7.5.10a	200mm x 200mm	No.	\$ 45.00
B2/12.7.5.10b	300mm x 300mm	No.	\$ 63.00
B2/12.7.5.11	<u>Construction of gully traps in accordance with PWD's Standard Drawing No. SD/3/90 and including details, cast iron / mild steel grating and frame for 50 / 100mm diameter or both combined outlet, jointing to UPVC pipes, setting on and surrounding with concrete including excavation, painting, etc.</u>		
B2/12.7.5.11a	ditto but to construct new gully trap including cover, excavation and concreting for 150mm x 150mm to 300mm x 300mm x 450mm depth	No.	\$ 135.00
B2/12.7.5.11b	Coated cast iron rectangular single seal cover and frame; in accordance to BS-EN 124, sealing cover in grease and fine sand	No.	\$ 250.00
B2/12.7.5.12	<u>Coated cast iron rectangular single seal cover and frame; light duty; B.S 497 Grade C; weighing 38kg; bedding frame in cement mortar (1:3); sealing cover in grease and fine sand</u> 695mm x 545mm x 45mm overall	No.	\$ 130.00
B2/12.7.5.13	<u>Coated cast iron rectangular single seal cover and frame; medium duty; B.S 497 Grade B; weighing 142kg; bedding frame in cement mortar (1:3); sealing cover in grease and fine sand</u> 670mm x 670mm x 75mm overall	No.	\$ 217.00
B2/12.7.5.16	<u>Coated cast iron rectangular single seal cover and frame; high duty; B.S 497 Grade B; weighing 210kg; bedding frame in cement mortar (1:3); sealing cover in grease and fine sand</u> 600mm x 450mm overall	No.	\$ 272.00



Item No.	Description	Unit	Rate
B2/13.0	PLUMBING WORKS		
B2/13.1	Internal Water Pipeworks		
	<u>UPVC pipes and fittings; B.S. 4514; jointing in accordance with Manufacturer's Instruction.</u>		
B2/13.1.1	<u>Pipe installation, fixed or concealed in rendered wall, concrete or duct including holding brackets, insulation, all as described.</u>		
B2/13.1.1.1	15mm Diameter pipe	m	\$ 8.00
B2/13.1.1.2	18mm Diameter pipe	m	\$ 9.00
B2/13.1.1.3	25mm Diameter pipe	m	\$ 13.00
B2/13.1.1.4	35mm Diameter pipe	m	\$ 15.00
B2/13.1.1.5	42mm Diameter pipe	m	\$ 16.00
B2/13.1.1.6	50mm Diameter pipe	m	\$ 27.00
B2/13.1.2	<u>Laying in the ground, including all necessary excavation average 300mm deep and hacking out concrete floor tile / slab where necessary</u>		
B2/13.1.2.1	32mm diameter UPVC B.S 4514 solvent welded joints	m	\$ 20.00
B2/13.1.2.2	50mm diameter UPVC B.S 4514 solvent welded joints	m	\$ 30.00
B2/13.1.3	<u>Laying in the ground, including all necessary excavation average 450mm deep and hacking out concrete floor tile / slab where necessary</u>		
B2/13.1.3.1	75mm diameter UPVC B.S 4514 solvent welded joints	m	\$ 35.00
B2/13.1.3.2	100mm diameter UPVC B.S 4514 with ring seal or slvent welded joints	m	\$ 40.00
B2/13.2	<u>Stainless steel pipe and fittings to B.S 4127 Grade 304 and 316; brass fittings to B.S. 864, joints and fittings shall be of fully welded joints with silver brazing using proprietary fittings and accessories all fixed in accordance with Manufacturer's Instruction.</u>		
	<u>Cold water pipe installation, fixed or concealed in rendered wall, concrete or duct including holding brackets, insulation, all as described. (Rate inclusive of all connection and fittings)</u>		
B2/13.2.1	15mm Diameter pipe	m	\$ 20.00
B2/13.2.2	20mm Diameter pipe	m	\$ 25.00
B2/13.2.3	25mm Diameter pipe	m	\$ 40.00
B2/13.2.4	32mm Diameter pipe	m	\$ 50.00
B2/13.2.5	40mm Diameter pipe	m	\$ 63.00
B2/13.2.6	50mm Diameter pipe	m	\$ 84.00
B2/13.2.7	80mm Diameter pipe	m	\$ 123.00
B2/13.2.8	100mm Diameter pipe	m	\$ 150.00
B2/13.2.9	125mm Diameter pipe	m	\$ 183.00
B2/13.3	<u>Allow for the complete internal water plumbing services comprising of copper pipes to BS 2871:1971 table X, copper fittings to BS 864 of all sizes as specified including water hammer arrester, fittings, supports, pipe sleeves, chasing, valve, etc and connect to sanitary fixtures, all fixed in accordance with Manufacturer's Instruction.</u>		
	<u>Hot water pipe installation, fixed or concealed in rendered wall, concrete or duct including holding brackets, insulation, all as described. (Rate inclusive of all connection and fittings)</u>		
B2/13.3.1	15mm Diameter pipe	m	\$ 19.00
B2/13.3.2	20mm Diameter pipe	m	\$ 24.00
B2/13.3.3	25mm Diameter pipe	m	\$ 36.00
B2/13.3.4	32mm Diameter pipe	m	\$ 46.00
B2/13.3.5	40mm Diameter pipe	m	\$ 63.00
B2/13.3.6	50mm Diameter pipe	m	\$ 84.00



Item No.	Description	Unit	Rate
B2/13.4	<u>Soil, Waste and Ventilation Pipes Installation</u>		
	<u>UPVC pipes and fittings; BS 4514 and BS 5255; jointing in accordance with the Manufacturer's Instructions,</u>		
B2/13.4.1	<u>Pipes concealed or fixed to wall, column, beam or soffit of slab (Rate inclusive of all connection and fittings);</u>		
B2/13.4.1.1	<u>Waste Pipe;</u>		
B2/13.4.1.1.1	32mm diameter waste pipe	m	\$ 10.00
B2/13.4.1.1.2	50mm diameter waste pipe	m	\$ 20.00
B2/13.4.1.1.3	75mm diameter waste pipe	m	\$ 25.00
B2/13.4.1.1.4	100mm diameter waste pipe	m	\$ 30.00
B2/13.4.1.1.5	150mm diameter waste pipe	m	\$ 45.00
B2/13.4.1.2	<u>Soil Pipe;</u>		
B2/13.4.1.2.1	32mm diameter waste pipe	m	\$ 10.00
B2/13.4.1.2.2	50mm diameter waste pipe	m	\$ 20.00
B2/13.4.1.2.3	75mm diameter waste pipe	m	\$ 25.00
B2/13.4.1.2.4	100mm diameter waste pipe	m	\$ 30.00
B2/13.4.1.2.5	150mm diameter waste pipe	m	\$ 45.00
B2/13.4.1.3	<u>Vent Pipe;</u>		
B2/13.4.1.3.1	32mm diameter waste pipe	m	\$ 10.00
B2/13.4.1.3.2	50mm diameter waste pipe	m	\$ 20.00
B2/13.4.1.3.3	75mm diameter waste pipe	m	\$ 25.00
B2/13.4.1.3.4	100mm diameter waste pipe	m	\$ 30.00
B2/13.4.1.3.5	150mm diameter waste pipe	m	\$ 45.00
B2/13.4.2	<u>Laying in the ground; including all necessary excavation, backfilling, disposal of surplus excavated material, concrete grade 15 bedding.</u>		
B2/13.4.2.1	50mm diameter UPVC pipe	m	\$ 24.00
B2/13.4.2.2	100mm diameter UPVC pipe	m	\$ 48.00
B2/13.4.2.3	150mm diameter UPVC pipe	m	\$ 72.00
B2/13.5	<u>External Water Services</u>		
	<u>MDPE pipes and fittings to PE 100 DN10 SDR 17 (Blue Colour) or PWD Water Department's approved type</u>		
B2/13.5.1	<u>Laying in the ground; including all necessary excavation, backfilling, disposal of surplus excavated material, concrete grade 15 bedding.</u>		
B2/13.5.1.1	125mm diameter MDPE pipe	m	\$ 38.00
B2/13.5.1.2	180mm diameter MDPE pipe	m	\$ 50.00
B2/13.5.2	<u>Laying in the ground; including all necessary excavation, backfilling, disposal of surplus excavated material, formwork; and all fittings required e.g. bends, tees, flexible and flanged joints, etc</u>		
B2/13.5.2.1	125mm diameter MDPE pipe including single 200mm dia UPVC pipe sleeves encased in 150mm thick mass concrete surround	m	\$ 40.00
B2/13.5.2.2	180mm diameter MDPE pipe including single 250mm dia UPVC pipe sleeves encased in 150mm thick mass concrete surround	m	\$ 55.00
B2/13.6	<u>MDPE pipe to ISO 4427 / DIN 8074/8075 / mS 1058 Class PN 12.5 (12.5mPa) or other equal and approved higher pipe; fittings and joints to be compression type;</u>		
	<u>Pipe cast / chased into concrete or brickwall or bracketed off walls or soffits with pipe clips</u>		
B2/13.6.1	20mm outer diameter pipes	m	\$ 15.00
B2/13.6.2	25mm outer diameter pipes	m	\$ 16.00
B2/13.6.1.3	65mm outer diameter pipes	m	\$ 25.00
B2/13.6.1.4	125mm outer diameter pipes	m	\$ 38.00



Item No.	Description	Unit	Rate
B2/13.7	<u>Approved class K9 ductile iron, spigot and socket pipe, fittings to BS EN545 complete with zinc plus bituminous coating and cement lining, approved flexible rubber ring jointed, pipes and fittings, including cutting where required for, providing temporary stops, softboard at joints, all flexible connection and mechanical joint to pipe all in accordance with Manufacturer's instruction and specification.</u>		
B2/13.7.1	<u>Laying in the ground; including all necessary excavation, backfilling, disposal of surplus excavated material, concrete grade 15 bedding; and all fittings required e.g. bends, tees, flexible and flanged joints, etc.</u>		
B2/13.7.1.1	75mm diameter Ductile Iron pipe	m	\$ 60.00
B2/13.7.1.2	100mm diameter Ductile Iron pipe	m	\$ 80.00
B2/13.7.1.3	150mm diameter Ductile Iron pipe	m	\$ 120.00
B2/13.7.1.4	200mm diameter Ductile Iron pipe	m	\$ 160.00
B2/13.7.2	<u>Laying in the ground; including all necessary excavation, backfilling, disposal of surplus excavated material, single 250mm dia UPVC pipe sleeves encased in 150mm thick mass concrete surround plus formwork; and all fittings required e.g. bends, tees, flexible and flanged joints, etc.</u>		
B2/13.7.2.1	75mm diameter Ductile Iron pipe	m	\$ 120.00
B2/13.7.2.2	100mm diameter Ductile Iron pipe	m	\$ 155.00
B2/13.7.2.3	150mm diameter Ductile Iron pipe	m	\$ 235.00
B2/13.7.2.4	200mm diameter Ductile Iron pipe	m	\$ 310.00
B2/13.8	<u>Precast concrete (20N/mm² at 28 days); finished fair on all faces, fixed in position including excavation, backfilling, disposal of surplus excavated material, bedded and pointed in cement and sand (1:3); inclusive of reflective signage to the approval of the PWD Water Department and as per Superintending Officer instruction and specification.</u> 230mm x 1200mm x 80mm Thick precast concrete marker posts encased in 400mm x 400mm x 400mm mass concrete footing	No.	\$ 50.00
B2/13.9	<u>150mm x 150mm x 300mm Deep grade 25 concrete surface box to pillar type fire hydrant with 2200mm x 1200mm x 600mm deep anchor block under ground with BRC A7 all as per Superintending Officer instruction and specification including supply and driving bakau piles, all excavation, formwork, backfilling and disposal.</u> Fire hydrant chamber	No.	\$ 550.00
B2/13.10	<u>Approved wash out with concrete chamber and base including all piping, fittings and accessories, all excavation, disposal, formwork, connection, etc with overall size, 760mm x 610mm x 900mm deep (internal) constructed all as per industrial standard Civil and Structure detail drawing.</u> Washout chamber	No.	\$ 374.00
B2/13.11	<u>Overall average size 1500mm x 1500mm x 1050mm deep (internal) constructed all as per industrial standard Civil and Structure detail drawing including all excavation, concrete, reinforcement, formwork, backfilling and disposal.</u> Sluice valve chamber	No.	\$ 800.00
B2/13.12	<u>Overall average size 300mm x 430mm x 300mm deep (internal) approval heavy duty plastic valve pit all as per Superintending Officer instruction and specification including all excavation, concrete, reinforcement, formwork, 75mm thick gravel base, 75mm thick loose hard core, backfilling and disposal.</u> Garden tap chamber	No.	\$ 50.00



Item No.	Description	Unit	Rate
B2/13.13	<u>Post piller type fire hydrant; screw-down pattern; 64mm diameter female screw thread complete with 64mm diameter instantaneous adaptor to BS 750; painted in red colour; 100mm diameter Ductile Iron Double Flange pipe; double flange 90' duckfoot bend; 150mm x 150mm square ductile iron cover; 150mm x 150mm hinge type cast iron surface box encased in grade 25 concrete; 100mm diameter Ductile Iron flange sluice valve; 100mm diameter Ductile Iron Double Flange pipe sluice valve; 100m diameter Ductile Iron short pieces; double flange 45' elbow; 100mm diameter Ductile Iron flange adaptor; grade 25 concrete with BRC A7 mesh reinforcement; inclusive of all fittings and builder's works in connection, all as per industrial standard Civil and Structure detail drawing.</u> Fire hydrant	No.	\$ 800.00
B2/13.14	<u>Garden tap quick coupling valve complete with valve keys operated valve. all necessary extension stainless pipes (Grade 316L), fittings, gate valves, excavation, backfilling, concrete base chamber, etc. Exterior stand pipe and as per Superintending Officer instruction and specification.</u>		
B2/13.14.1	20mm Diameter quick coupling valve complete with valve keys operated valve	No.	\$ 150.00
B2/13.14.2	32mm Diameter quick coupling valve complete with valve keys operated valve	No.	\$ 200.00
B2/13.15	Approved service surface box with 75mm thick concrete chamber and base including heavy duty standard cast iron cover all fittings, accessories, and all excavation, disposal, formwork, connection; overall size 200mm x 200mm x 175mm depth, constructed all as per industrial standard Civil and Structure detail drawing.	No.	\$ 32.00
B2/13.16	<u>To supply and install approved heavy duty cast iron service surface box inclusive of all excavation, disposal, complete with 100mm thick Reinforcement concrete slab; constructed all as per industrial standard Civil and Structure detail drawing.</u>		
B2/13.16.1	Heavy duty cast iron service surface box; overall size 152mm x 127mm x 76mm depth	No.	\$ 73.00
B2/13.16.2	Heavy duty cast iron service surface box; overall size 150mm x 150mm x 76mm depth	No.	\$ 87.00
B2/13.17	Water Tank		
B2/13.17.1	<u>Supply and install approved stainless steel (Grade 316) water tank, complete with and including all necessary pipe and fittings, floatless relay, float valve, cat ladder, access door, accessories, all strictly in accordance with the Manufacturer's Instructions and recommendations and all in accordance with Superintending Officer approval.</u>		
B2/13.17.1.1	Domestic water tank; overall size 1420mm diameter x 2360mm high (3,200 Liters)	No.	\$ 1,045.00
B2/13.17.1.2	Domestic water tank; overall size 1420mm diameter x 3174mm high (4,500 Liters)	No.	\$ 1,456.00
B2/13.17.2	<u>Supply and install approved proprietary stainless steel (Grade 316) rectangular water tank, complete and including reinforced concrete structure and plinth, platform c/w ladder, precast concrete piles, approved MS water tank skid base framing with approved paint finished, all necessary excavation, hardcore filling, 350mm wide perimeter drain and hot dip galvanised grating; all strictly in accordance with the Manufacturer's Instructions and recommendations and all in accordance with Superintending Officer approval.</u>		
B2/13.17.2.1	Rectangular water tank; overall size 1000mm x 1000mm x 1200mm high	No.	\$ 460.00
B2/13.17.2.2	Rectangular water tank; 1,600 Litres		\$ 750.00
B2/13.17.2.3	Rectangular water tank; 2,000 Litres		\$ 850.00
B2/13.17.2.4	Rectangular water tank; overall size 5000mm x 5000mm x 2500mm high (50,000 liter)	No.	\$ 22,960.00
B2/13.17.2.5	Rectangular water tank; overall size 6000mm x 6000mm x 2500mm high (72,000 liter)	No.	\$ 34,500.00
B2/13.17.3	<u>Supply and install approved galvanised steel skid base to receive water tank, set on and bolted to concrete stand, all strictly in accordance with the Manufacturer's Instructions and recommendations and all in accordance with Superintending Officer approval.</u>		
B2/13.17.3.1	Steel skid base to support 1420mm diameter x 2360mm high (3,200 Liters) domestic water tank	No.	\$ 133.00
B2/13.17.3.2	Steel skid base to support 1420mm diameter x 3174mm high (4,500 Liters) domestic water tank	No.	\$ 188.00



Item No.	Description	Unit	Rate
B2/13.17.4	<u>Remove with care existing water tank including steel skid base as indicated on the site; remove any debris off site and making good all works distrubed to the satisfaction of the Superintending Officer. (Rate include disposal off site & all charges associated)</u>		
B2/13.17.4.1	Domestic water tank; (1,000 Liters) including steel skid base	No.	\$ 150.00
B2/13.17.4.2	Domestic water tank; (1,600 Liters) including steel skid base	No.	\$ 150.00
B2/13.17.4.3	Domestic water tank; (2,300 Liters) including steel skid base	No.	\$ 150.00
B2/13.17.4.4	Domestic water tank; overall size 1420mm diameter x 2360mm high (3,200 Liters) including steel skid base	No.	\$ 150.00
B2/13.17.4.5	Domestic water tank; overall size 1420mm diameter x 3174mm high (4,500 Liters) including steel skid base	No.	\$ 150.00
B2/13.17.4.6	Rectangular water tank; overall size 5000mm x 5000mm x 2500mm high (50,000 liter)	No.	\$ 3,500.00
B2/13.17.4.7	Rectangular water tank; overall size 6000mm x 6000mm x 2500mm high (72,000 liter)	No.	\$ 4,500.00
B2/13.18	Water Tank Fittings		
	<u>Allow for labour and materials to fix damaged / missing fittings including accessories; all strictly in accordance with the Superintending Officer approval and stastification.</u>		
B2/13.18.1	<u>Brass ball float valve c/w polythene ball</u>		
B2/13.18.1.1	22mm	No.	\$ 23.00
B2/13.18.1.2	25mm (1")	No.	\$ 27.00
B2/13.18.1.3	28mm	No.	\$ 30.00
B2/13.18.1.4	32mm (1¼")	No.	\$ 35.00
B2/13.18.1.5	50mm (2")	No.	\$ 36.00
B2/13.18.1.6	54mm	No.	\$ 42.00
B2/13.18.1.7	75mm (3")	No.	\$ 50.00
B2/13.18.1.8	100mm (4")	No.	\$ 100.00
B2/13.18.2	<u>Brass ball float valve c/w copper bail</u>		
B2/13.18.2.1.	75mm (3")	No.	\$ 75.00
B2/13.18.2.1.	78mm	No.	\$ 80.00
B2/13.18.2.1.	100mm (4")	No.	\$ 130.00
B2/13.18.3	<u>Allow for labour and materials to fix damaged / missing fittings including accessories; all strictly in accordance with the Superintending Officer approval and stastification.</u> Float arm and float	No.	\$ 14.00



Item No.	Description	Unit	Rate
B2/13.19	<u>Pipeworks</u>		
B2/13.19.1	<u>Allow labour and material to remove existing damaged pipe, remove all debris off-site and make good all works disturbed to the satisfaction of the Superintending Officer.</u>		
B2/13.19.1.1	<u>UPVC pipes:</u>		
B2/13.19.1.1a	15mm diameter pipe	m	\$ 18.00
B2/13.19.1.1b	20mm diameter pipe	m	\$ 18.00
B2/13.19.1.1c	32mm diameter pipe	m	\$ 19.00
B2/13.19.1.1d	50mm diameter pipe	m	\$ 19.00
B2/13.19.1.2	<u>Stainless steel pipes:</u>		
B2/13.19.1.2a	15mm diameter pipe	m	\$ 18.00
B2/13.19.1.2b	20mm diameter pipe	m	\$ 18.00
B2/13.19.1.2c	35mm diameter pipe	m	\$ 19.00
B2/13.19.1.2d	50mm diameter pipe	m	\$ 19.00
B2/13.19.1.2e	80mm diameter pipe	m	\$ 20.00
B2/13.19.1.2f	100mm diameter pipe	m	\$ 20.00
B2/13.19.1.2g	125mm diameter pipe	m	\$ 20.00
B2/13.19.1.3	<u>Copper pipes:</u>		
B2/13.19.1.3a	15mm diameter pipe	m	\$ 18.00
B2/13.19.1.3b	20mm diameter pipe	m	\$ 18.00
B2/13.19.2	<u>Allow for labour and materials to fix damaged pipe, jointings and fittings; all strictly in accordance with the Superintending Officer instruction and specification.</u>		
B2/13.19.2.1	<u>UPVC pipes:</u>		
B2/13.19.2.1a	15mm diameter pipe	m	\$ 13.00
B2/13.19.2.1b	20mm diameter pipe	m	\$ 18.00
B2/13.19.2.1c	32mm diameter pipe	m	\$ 20.00
B2/13.19.2.1d	50mm diameter pipe	m	\$ 33.00
B2/13.19.2.2	<u>Stainless steel pipes:</u>		
B2/13.19.2.2a	15mm diameter pipe	m	\$ 26.00
B2/13.19.2.2b	20mm diameter pipe	m	\$ 48.00
B2/13.19.2.2c	35mm diameter pipe	m	\$ 59.00
B2/13.19.2.2d	50mm diameter pipe	m	\$ 96.00
B2/13.19.2.2e	80mm diameter pipe	m	\$ 148.00
B2/13.19.2.2f	100mm diameter pipe	m	\$ 182.00
B2/13.19.2.2g	125mm diameter pipe	m	\$ 225.00
B2/13.19.2.3	<u>Copper pipes:</u>		
B2/13.19.2.3a	15mm diameter pipe	m	\$ 28.00
B2/13.19.2.3b	20mm diameter pipe	m	\$ 33.00
B2/13.19.3	<u>Allow for labour and materials to fix damaged waste pipe jointings and fittings; all strictly in accordance with the Superintending Officer instruction and specification.</u>		
B2/13.19.3.1	32mm diameter pipe soil / waste / ventilation pipe	m	\$ 15.00
B2/13.19.3.2	50mm diameter pipe soil / waste / ventilation pipe	m	\$ 26.00
B2/13.19.3.3	100mm diameter pipe soil / waste / ventilation pipe	m	\$ 39.00
B2/13.19.3.4	150mm diameter pipe soil / waste / ventilation pipe	m	\$ 53.00
B2/13.19.4	<u>Allow for labour and materials to fix damaged MDPE pipe jointings and fittings; all strictly in accordance with the Superintending Officer instruction and specification.</u>		
B2/13.19.4.1	125mm diameter pipe	m	\$ 55.00
B2/13.19.4.2	180mm diameter pipe	m	\$ 69.00



Item No.	Description	Unit	Rate
B2/13.19.5	<u>Allow for labour and materials to fix damaged Ductile Iron pipe jointings and fittings; all strictly in accordance with the Superintending Officer instruction and specification.</u>		
B2/13.19.5.1	75mm diameter pipe	m	\$ 86.00
B2/13.19.5.2	100mm diameter pipe	m	\$ 108.00
B2/13.19.5.3	150mm diameter pipe	m	\$ 152.00
B2/13.20	<u>Pipeworks Connection / Fittings</u>		
B2/13.20.1	<u>Allow for labour and materials to fix damaged / missing fittings including accessories; all strictly in accordance with the Superintending Officer approval and stastification.</u>		
B2/13.20.1.1	<u>Brass gate valve / chrome stop valve;</u>		
B2/13.20.1.1a	15mm diameter	No.	\$ 30.00
B2/13.20.1.1b	22mm diameter	No.	\$ 45.00
B2/13.20.1.1c	28mm diameter	No.	\$ 55.00
B2/13.20.1.1d	35mm diameter	No.	\$ 80.00
B2/13.20.1.1e	54mm diameter	No.	\$ 130.00
B2/13.20.1.2	<u>Extra over brass check valve;</u>		
B2/13.20.1.2a	22mm diameter	No.	\$ 50.00
B2/13.20.1.2b	28mm diameter	No.	\$ 60.00
B2/13.20.1.2c	40mm diameter	No.	\$ 85.00
B2/13.20.1.2d	54mm diameter	No.	\$ 150.00
B2/13.20.1.3	<u>Sluice valve;</u>		
B2/13.20.1.3a	75mm diameter	No.	\$ 350.00
B2/13.20.1.3b	100mm diameter	No.	\$ 400.00
B2/13.20.1.3c	150mm diameter	No.	\$ 650.00
B2/13.20.1.4	<u>Non-return valve;</u>		
B2/13.20.1.4a	75mm diameter	No.	\$ 380.00
B2/13.20.1.4b	100mm diameter	No.	\$ 450.00
B2/13.20.1.4c	150mm diameter	No.	\$ 700.00
B2/13.20.2	<u>Allow for labour and materials to fix UPVC pipe jointings and fittings; B.S. 4576 Part 1, all strictly in accordance with the Superintending Officer instruction and specification.</u>		
B2/13.20.2.1	<u>Tee;</u>		
B2/13.20.2.1a	for 15mm diameter UPVC pipe	No.	\$ 4.00
B2/13.20.2.1b	for 18mm diameter UPVC pipe	No.	\$ 4.00
B2/13.20.2.1c	for 28mm diameter UPVC pipe	No.	\$ 5.00
B2/13.20.2.1d	for 50mm diameter UPVC pipe	No.	\$ 6.00
B2/13.20.2.2	<u>Elbow;</u>		
B2/13.20.2.2a	for 15mm diameter UPVC pipe	No.	\$ 4.00
B2/13.20.2.2b	for 18mm diameter UPVC pipe	No.	\$ 4.00
B2/13.20.2.2c	for 28mm diameter UPVC pipe	No.	\$ 5.00
B2/13.20.2.2d	for 50mm diameter UPVC pipe	No.	\$ 5.00
B2/13.20.2.3	<u>Socket;</u>		
B2/13.20.2.3a	for 15mm diameter UPVC pipe	No.	\$ 4.00
B2/13.20.2.3b	for 18mm diameter UPVC pipe	No.	\$ 4.00
B2/13.20.2.3c	for 28mm diameter UPVC pipe	No.	\$ 5.00
B2/13.20.2.3d	for 50mm diameter UPVC pipe	No.	\$ 5.00
B2/13.20.2.4	<u>Spigot</u>		
B2/13.20.2.4a	for 15mm diameter UPVC pipe	No.	\$ 3.00
B2/13.20.2.4b	for 18mm diameter UPVC pipe	No.	\$ 5.00
B2/13.20.2.4c	for 28mm diameter UPVC pipe	No.	\$ 6.00
B2/13.20.2.4d	for 50mm diameter UPVC pipe	No.	\$ 15.00



Item No.	Description	Unit	Rate
B2/13.20.2.5	<u>Ball valve;</u>		
B2/13.20.2.5a	for 15mm diameter UPVC pipe	No.	\$ 6.00
B2/13.20.2.5b	for 18mm diameter UPVC pipe	No.	\$ 8.00
B2/13.20.2.5c	for 28mm diameter UPVC pipe	No.	\$ 9.00
B2/13.20.2.5d	for 50mm diameter UPVC pipe	No.	\$ 20.00
B2/13.20.3	<u>Allow for labour and materials to fix brasswork to comply with B.S. 1010, jointings and fittings; all strictly in accordance with the Superintending Officer instruction and specification.</u>		
B2/13.20.3.1	<u>Tee;</u>		
B2/13.20.3.1a	for 15mm diameter stainless steel / copper pipe	No.	\$ 7.00
B2/13.20.3.1b	for 18mm diameter stainless steel / copper pipe	No.	\$ 9.00
B2/13.20.3.1c	for 28mm diameter stainless steel / copper pipe	No.	\$ 11.00
B2/13.20.3.1d	for 50mm diameter stainless steel / copper pipe	No.	\$ 27.00
B2/13.20.3.2	<u>Elbow;</u>		
B2/13.20.3.2a	for 15mm diameter stainless steel / copper pipe	No.	\$ 7.00
B2/13.20.3.2b	for 18mm diameter stainless steel / copper pipe	No.	\$ 9.00
B2/13.20.3.2c	for 28mm diameter stainless steel / copper pipe	No.	\$ 11.00
B2/13.20.3.2d	for 50mm diameter stainless steel / copper pipe	No.	\$ 25.00
B2/13.20.3.3	<u>Socket;</u>		
B2/13.20.3.3a	for 15mm diameter stainless steel / copper pipe	No.	\$ 7.00
B2/13.20.3.3b	for 18mm diameter stainless steel / copper pipe	No.	\$ 8.00
B2/13.20.3.3c	for 28mm diameter stainless steel / copper pipe	No.	\$ 13.00
B2/13.20.3.3d	for 50mm diameter stainless steel / copper pipe	No.	\$ 27.00
B2/13.20.3.4	<u>Coupling;</u>		
B2/13.20.3.4a	for 15mm diameter stainless steel / copper pipe	No.	\$ 6.00
B2/13.20.3.4b	for 18mm diameter stainless steel / copper pipe	No.	\$ 8.00
B2/13.20.3.4c	for 28mm diameter stainless steel / copper pipe	No.	\$ 12.00
B2/13.20.3.4d	for 50mm diameter stainless steel / copper pipe	No.	\$ 18.00
B2/13.20.3.5	<u>Ball valve;</u>		
B2/13.20.3.5a	for 15mm diameter stainless steel / copper pipe	No.	\$ 13.00
B2/13.20.3.5b	for 18mm diameter stainless steel / copper pipe	No.	\$ 15.00
B2/13.20.3.5c	for 28mm diameter stainless steel / copper pipe	No.	\$ 14.00
B2/13.20.3.5d	for 50mm diameter stainless steel / copper pipe	No.	\$ 18.00
B2/13.20.3.6	<u>Stopcock;</u>		
B2/13.20.3.6a	for 28mm diameter stainless steel / copper pipe	No.	\$ 13.00
B2/13.20.3.6b	Water hammer arrestor	No.	\$ 69.00
B2/13.20.4	<u>Allow for labour and materials to fix UPVC pipes and fittings; B.S. 4660 Part 1; jointing in accordance with the Manufacturer's Instructions</u>		
B2/13.20.4.1	<u>Tee;</u>		
B2/13.20.4.1a	for 50mm diameter soil / waste / ventilation pipe	No.	\$ 15.00
B2/13.20.4.1b	for 75mm diameter soil / waste / ventilation pipe	No.	\$ 17.00
B2/13.20.4.1c	for 100mm diameter soil / waste / ventilation pipe	No.	\$ 20.00
B2/13.20.4.1d	for 150mm diameter soil / waste / ventilation pipe	No.	\$ 25.00
B2/13.20.4.2	<u>Elbow;</u>		
B2/13.20.4.2a	for 50mm diameter soil / waste / ventilation pipe	No.	\$ 15.00
B2/13.20.4.2b	for 75mm diameter soil / waste / ventilation pipe	No.	\$ 17.00
B2/13.20.4.2c	for 100mm diameter soil / waste / ventilation pipe	No.	\$ 20.00
B2/13.20.4.2d	for 150mm diameter soil / waste / ventilation pipe	No.	\$ 25.00
B2/13.20.4.3	<u>Socket;</u>		
B2/13.20.4.3a	for 50mm diameter soil / waste / ventilation pipe	No.	\$ 15.00
B2/13.20.4.3b	for 75mm diameter soil / waste / ventilation pipe	No.	\$ 17.00
B2/13.20.4.3c	for 100mm diameter soil / waste / ventilation pipe	No.	\$ 20.00
B2/13.20.4.3d	for 150mm diameter soil / waste / ventilation pipe	No.	\$ 25.00



Item No.	Description	Unit	Rate
B2/13.20.4.4	<u>Spigot;</u>		
B2/13.20.4.4a	for 50mm diameter soil / waste / ventilation pipe	No.	\$ 15.00
B2/13.20.4.4b	for 75mm diameter soil / waste / ventilation pipe	No.	\$ 17.00
B2/13.20.4.4c	for 100mm diameter soil / waste / ventilation pipe	No.	\$ 20.00
B2/13.20.4.4d	for 150mm diameter soil / waste / ventilation pipe	No.	\$ 25.00
B2/13.20.4.5	<u>Tubular 'P' / 'S' trap</u>		
B2/13.20.4.5a	for 32mm diameter pipe soil pipe	No.	\$ 40.00
B2/13.20.4.5b	for 38mm diameter pipe soil pipe	No.	\$ 45.00
B2/13.20.4.6	<u>Bottle 'P' / 'S' trap</u>		
B2/13.20.4.6a	for 32mm diameter pipe soil pipe	No.	\$ 40.00
B2/13.20.4.6b	for 38mm diameter pipe soil pipe	No.	\$ 45.00
B2/13.20.5	<u>Allow for labour and materials to fix fitting to P.E. 100 DN10 SDR 17 (Blue Colour) or approved PWD Water Departmenr's jointings and fittings; all strictly in accordance with the Superintending Officer instruction and specification.</u>		
B2/13.20.5.1	<u>Tee;</u>		
B2/13.20.5.1a	for 63mm diameter MDPE pipe	No.	\$ 28.00
B2/13.20.5.1b	for 125mm diameter MDPE pipe	No.	\$ 80.00
B2/13.20.5.1c	for 150mm diameter MDPE pipe	No.	\$ 120.00
B2/13.20.5.2	<u>Bends;</u>		
B2/13.20.5.2a	for 75mm diameter MDPE pipe	No.	\$ 60.00
B2/13.20.5.2b	for 100mm diameter MDPE pipe	No.	\$ 80.00
B2/13.20.5.2c	for 150mm diameter MDPE pipe	No.	\$ 120.00
B2/13.20.5.3	<u>Elbow;</u>		
B2/13.20.5.3a	for 75mm diameter MDPE pipe	No.	\$ 60.00
B2/13.20.5.3b	for 100mm diameter MDPE pipe	No.	\$ 80.00
B2/13.20.5.3c	for 150mm diameter MDPE pipe	No.	\$ 120.00
B2/13.20.5.4	<u>Ball valve;</u>		
B2/13.20.5.4a	for 75mm diameter MDPE pipe	No.	\$ 350.00
B2/13.20.5.4b	for 100mm diameter MDPE pipe	No.	\$ 450.00
B2/13.20.5.4c	for 150mm diameter MDPE pipe	No.	\$ 700.00
B2/13.20.6	<u>Allow for labour and materials to fix Ductile Iron pipe to BS EN 969 jointings and fittings; all strictly in accordance with the Superintending Officer instruction and specification.</u>		
B2/13.20.6.1	<u>Tee;</u>		
B2/13.20.6.1a	for 75mm diameter Ductile Iron pipe	No.	\$ 90.00
B2/13.20.6.1b	for 100mm diameter Ductile Iron pipe	No.	\$ 130.00
B2/13.20.6.1c	for 150mm diameter Ductile Iron pipe	No.	\$ 180.00
B2/13.20.6.2	<u>Bends;</u>		
B2/13.20.6.2a	for 75mm diameter Ductile Iron pipe	No.	\$ 80.00
B2/13.20.6.2b	for 100mm diameter Ductile Iron pipe	No.	\$ 120.00
B2/13.20.6.2c	for 150mm diameter Ductile Iron pipe	No.	\$ 160.00
B2/13.20.6.3	<u>Elbow;</u>		
B2/13.20.6.3a	for 75mm diameter Ductile Iron pipe	No.	\$ 80.00
B2/13.20.6.3b	for 100mm diameter Ductile Iron pipe	No.	\$ 120.00
B2/13.20.6.3c	for 150mm diameter Ductile Iron pipe	No.	\$ 160.00
B2/13.21	<u>Supply & install pressure reducing valve of sizes;</u>		
B2/13.21.1	25mm dia	No.	\$ 200.00
B2/13.21.2	50mm dia	No.	\$ 450.00
B2/13.22	Supply & install 15mm dia automatic air vent (AAV)	No.	\$ 180.00



Item No.	Description	Unit	Rate
B2/13.23	Supply & install 100mm dia pressure gauge (0 to 100 psi);	No.	\$ 250.00
B2/13.24	<u>Supply and install new Stainless Steel Collar Clamp;</u>		
B2/13.24.1	50mm dia	No.	\$ 200.00
B2/13.24.2	75mm dia	No.	\$ 250.00
B2/13.24.3	100mm dia	No.	\$ 350.00
B2/13.24.4	150mm dia	No.	\$ 450.00
B2/13.24.5	200mm dia	No.	\$ 500.00
B2/13.25	<u>Supply and install new Stainless Steel Split Collar Clamp;</u>		
B2/13.25.1	50mm dia	No.	\$ 200.00
B2/13.25.2	75mm dia	No.	\$ 250.00
B2/13.25.3	100mm dia	No.	\$ 350.00
B2/13.25.4	150mm dia	No.	\$ 450.00
B2/13.25.5	200mm dia	No.	\$ 500.00
B2/13.26	<u>Supply and install stainless steel tapping saddle of sizes;</u>		
B2/13.26.1	100mm x 25mm dia	No.	\$ 150.00
B2/13.26.2	100mm x 50mm dia	No.	\$ 200.00
B2/13.26.3	150mm x 25mm dia	No.	\$ 250.00
B2/13.26.4	150mm x 50mm dia	No.	\$ 300.00
B2/13.26.5	200mm x 25mm dia	No.	\$ 350.00
B2/13.26.6	200mm x 50mm dia	No.	\$ 400.00
B2/13.27	Denso tape 100mm x 10 meter length roll	No.	\$ 50.00
B2/13.28	Mastic Paste sealant	Kg	\$ 45.00
B2/13.29	Mosquito proof heavy duty pvc vent cowl complete with puddle flanges, flashing and weather apron, etc to suit 100mm diameter vent pipe; all strictly in accordance with the Superintending Officer approval and stastification.	No.	\$ 65.00
B2/13.30	<u>Water Services</u>		
B2/13.30.1	<u>Search for; excavate and locate existing water main; provide and insert junction for connecting pipes; including all short lengths; concrete support; breaking concrete as required and making good to all disturbed area.</u>		
B2/13.30.1.1	Connecting existing to 100mm diameter pipe (by shutting down the system)	No.	\$ 1,500.00
B2/13.30.1.2	Connecting existing to 150mm diameter pipe (by shutting down the system)	No.	\$ 1,800.00
B2/13.30.1.3	Connecting existing to 100mm diameter pipe (by hot tapping the system)	No.	\$ 3,000.00
B2/13.30.1.4	Connecting existing to 150mm diameter pipe (by hot tapping the system)	No.	\$ 3,200.00
B2/13.30.2	Colour coding and labelling all pipeworks throughout the installation with one each primer, one primer, one undercoat and two gloss coat of paint, all as described	No.	\$ 500.00
B2/13.30.3	Allow for testing and sterilisation of the whole plumbing and sanitary system to satisfaction of the Superintending Officer.	No.	\$ 2,500.00
B2/13.30.4	Supply and lay High Resistance Detectable (HRD) pipe Marker Mesh	m	\$ 3.00
B2/13.30.5	<u>Extra over for all necessary fittings, sockets, connectors, reducaers, plugs, elbow, tees, union. Nipple, brush and other similar pipe fittings;</u>		
B2/13.30.5.1	<u>Copper / Stainless steel compression joints</u>		
B2/13.30.5.1a	15mm diameter	No.	\$ 20.00
B2/13.30.5.1b	22mm diameter	No.	\$ 24.00
B2/13.30.5.1c	28mm diameter	No.	\$ 30.00
B2/13.30.5.1d	≥ 50mm diameter pipes	No.	\$ 65.00



Item No.	Description	Unit	Rate
B2/13.30.5.2	<u>Brass compression joints</u>		
B2/13.30.5.2a	15mm diameter	No.	\$ 14.00
B2/13.30.5.2b	22mm diameter	No.	\$ 16.00
B2/13.30.5.2c	28mm diameter	No.	\$ 20.00
B2/13.30.5.2d	≥ 50mm diameter pipes	No.	\$ 55.00
B2/13.30.5.3	<u>UPVC compression joints</u>		
B2/13.30.5.3a	15mm diameter	No.	\$ 10.00
B2/13.30.5.3b	22mm diameter	No.	\$ 12.00
B2/13.30.5.3c	28mm diameter	No.	\$ 15.00
B2/13.30.5.3d	≥ 50mm diameter pipes	No.	\$ 45.00
B2/14.0	<u>GLAZING</u>		
B2/14.1	<u>Remove existing, supply and install new glazing complete with fittings / accessories and all necessary works to existing frame;</u>		
B2/14.1.1	<u>Clear sheet glass to B.S 952</u>		
B2/14.1.1.1	6mm thick Glaze to timber with timber breads	m2	\$ 45.00
B2/14.1.1.2	6mm thick Glaze to metal with neoprene gaskets	m2	\$ 39.00
B2/14.1.2	<u>Light tinted sheet glass to B.S 952</u>		
B2/14.1.2.1	6mm thick Glaze to timber with timber breads	m2	\$ 47.00
B2/14.1.2.2	6mm thick Glaze to metal with neoprene gaskets	m2	\$ 41.00
B2/14.1.3	<u>Opaque sheet glass to B.S 952</u>		
B2/14.1.3.1	6mm thick Glaze to timber with timber breads	m2	\$ 49.00
B2/14.1.3.2	6mm thick Glaze to metal with neoprene gaskets	m2	\$ 43.00
B2/14.1.4	<u>Reinforced sheet glass to B.S 952</u>		
B2/14.1.4.1	6mm thick Glaze to timber with timber breads	m2	\$ 55.00
B2/14.1.4.2	6mm thick Glaze to metal with neoprene gaskets	m2	\$ 49.00
B2/14.2	<u>Remove existing and replace with new aluminium sliding door / sliding window / casement window / top hung / folded / side hung / flow wind window complete with aluminium frame, hinges, running rollers, lockset, handle, aluminium beadsand vinyl or neoprene</u>		
B2/14.2.1	6mm thick Clear glass	m2	\$ 167.00
B2/14.2.2	6mm thick Tinted glass	m2	\$ 170.00
B2/14.2.3	6mm thick Obscured glass	m2	\$ 170.00
B2/14.3	<u>Remove existing and replace with new ± 6mm thick float glass to 150mm wide louvre window frames, to match existing using</u>		
B2/14.3.1	Clear / Obscured glass	No.	\$ 3.00
B2/14.3.2	Tinted glass	No.	\$ 3.50
B2/14.4	<u>Supply and install approved heavy duty film attached to glass surfaces, all strictly in accordance with the Manufacturer's Specification and Instructions.</u>		
B2/14.4.1	Frosted sticker	m2	\$ 1.80
B2/14.4.2	"Huper Optik" solar control film	m2	\$ 6.00
B2/14.4.3	"3M" clear window insulation film	m2	\$ 5.00
B2/14.5	<u>Remove existing and replace with new ± 6mm thick glass panel to aluminium frame with aluminium beads and vinyl or neoprene gaskets for sliding door / sliding window / top hung window, to match existing using</u>		
B2/14.5.1	Clear / Obscured glass	No.	\$ 25.00
B2/14.5.2	Tinted glass	No.	\$ 33.00
B2/14.5.3	Reflective glass	No.	\$ 56.00



Item No.	Description	Unit	Rate
B2/15.0	<u>PAINTING WORKS</u>		
B2/15.1	Prepare existing surfaces by cleaning, removing all dirt and loose particles using any necessary tools or machine required; seal up any cracks of joints in cement; fill wood surfaces with appropriate wood filler and sand down with abrasive paper to smooth surfaces; remove rust, miliscales oil / grease and contaminants for metal; all surfaces should be sound, clean, dry and free from all defective or poorly adhering materials, dirt, grease etc. before applying paint works.	m2	\$ 2.50
B2/15.2	Apply paint to concrete, cement board, gypsum, wood, metal, aluminium surfaces and the like; (State brand:)		
B2/15.2.1	One coat Primer exterior / Plastered	m2	\$ 3.00
B2/15.2.2	One coat finishing for exterior / Plastered	m2	\$ 3.00
B2/15.2.3	One coat weathersheild finishing for exterior / Plastered	m2	\$ 3.50
B2/15.2.4	One coat undercoat for wood & metal	m2	\$ 3.00
B2/15.2.5	One coat finishing for wood & metal	m2	\$ 3.00
B2/15.2.6	One coat Primer for interior / gypsum / plastered	m2	\$ 3.00
B2/15.2.7	One coat low odour finishing for interior / gypsum / plastered	m2	\$ 3.50
B2/15.2.8	One coat finishing for interior / gypsum / plastered	m2	\$ 3.00
B2/15.2.9	One coat finishing for roof	m2	\$ 3.50
B2/15.2.10	Two coats thermoplastic road paint to BS3262 (100mm wide lines)	m	\$ 2.00
B2/15.2.11	Two coats thermoplastic road paint to BS3262 (200mm-300mm girth black & white stripes on concrete curb)	m	\$ 3.00
B2/15.2.12	Two coats thermoplastic road paint to BS3262 (500mm-850mm wide x 4000mm arrow head and tail, straight, turn etc.)	No.	\$ 40.00
B2/16.0	<u>WATERPROOFING</u> Notes: i) TEN (10) YEARS GUARANTEE ON WATERPROOFING SYSTEM WORKS. ii) Each waterproofing system quoted shall be accompanied by a written warranty to the effect that the waterproofing system supplied and installed by the authorised installer will be waterproofed for a minimum period of ten (10) years, commencing from the date of practical completion of the works. iii) All waterproofing work shall be carried out by MOD registered waterproofing contractor with an KPB02 category and all work should have complied with the ABCI standard's specification and procedure and cost of endorsement of the complete work be done by the contractors and deemed to be included in their pricings.		
B2/16.1	<u>Waterproofing To Metal Surfaces</u> (State brand:)		
B2/16.1.1	To clean and remove all rust, dirt and grease using high pressure water jet and / or using appropriate solvent and apply one coat of rust inhibitive primer.	m2	\$ 9.00
B2/16.1.2	To apply one coat of metal primer to cleaned corroded surface all in accordance with the manufacturer's instructions and specifications.	m2	\$ 8.00
B2/16.1.3	To apply and lay monolithic brush on type waterproofing membrane inclusive one layer of reinforcement to metal surface all in accordance with the manufacturer's instructions and specifications.	m2	\$ 40.00



Item No.	Description	Unit	Rate
B2/16.2	<u>Waterproofing (Tanking System) For Toilets, Bathrooms, kitchens, verandahs and the like</u> (State brand: _____)		
B2/16.2.1	To hack out existing floor tiles up to 50mm thick from existing floor screed and 200mm high skirting inclusive of cleaning exposed surfaces to receive new finishes.	m2	\$ 6.00
B2/16.2.2	To lay 2 coats of different colour monolithic brush on the type waterproofing membrane system to sound cleaned and exposed concrete floor surfaces inclusive up to 200mm high exposed skirting surface, all in accordance with the manufacturer's instructions and specification.	m2	\$ 29.00
B2/16.2.3	To lay up to 25mm thick cement screed (1:3 mix) over the waterproofing membrane to falls .	m2	\$ 9.00
B2/16.2.4	Flex-lac PUW waterborne 100% aliphatic clear waterproofing or approved equivalent. (State brand: _____)	m2	\$ 32.00
B2/16.3	<u>Flood Infusion Waterproofing Treatment for Toilets, Bathrooms, Kitchens, Verandahs and the likes</u> (State brand: _____)		
B2/16.3.1	To supply and apply the flood infusion treatment waterproofing including all necessary preparation work, materials, accessories for successful completion of work as per manufacturer instruction and by authorised applicator, all as directed by the O.I.C.	m2	\$ 35.00
B2/16.4	<u>Waterproofing to Gutter / Flat Roof And The Like</u>		
B2/16.4.1	To clean and remove all dirt, grase and existing membrane debris on surfaces using high pressure water by means of water jetting and / or using appropriate solvent until bare concrete appears; to locate and seal all cracks with light weight mortar.	m2	\$ 6.00
B2/16.4.2	To prime bare concrete surface with one coat of elastomeric acrylic waterproofing polymers primer.	m2	\$ 14.00
B2/16.4.3	To lay 50mm to 75mm thick cement screed (1:3 mix) to the existing flat roof / gutter, laid to fall and should be roughened to provide better bonding on the fresh screed, all to O.I.C's satisfaction.	m2	\$ 17.00
B2/16.4.4	<u>To lay 2 coats of different colour monolithic "BRUSH ON ACRYLIC" type waterproofing membrane system inclusive one layer of reinforcement, all in accordance with the manufacturer's instruction</u>		
B2/16.4.4.1	flat Roof	m2	\$ 33.00
B2/16.4.4.2	flat roof, side and bottom of gutter	m2	\$ 40.00
B2/16.4.4.3	skirting not exceeding 200mm high	m2	\$ 8.00
B2/16.4.5	Flex-lac PUW waterborne 100% aliphatic clear waterproofing or approved equivalent. (State brand: _____)	m2	\$ 32.00
B2/16.4.6	<u>To lay "TORCH ON" type waterproofing membrane all in accordance with the manufacturer's instructions and specification</u>		
B2/16.4.6.1	flat roof, side and bottom of gutter	m2	\$ 40.00
B2/16.4.6.2	skirting not exceeding 200mm high	m2	\$ 9.00



Item No.	Description	Unit	Rate
B2/17.0	<u>FENCING WORK</u>		
	Remove existing, supply, fix and install the following:		
B2/17.1	SWG 8 PVC coated fencing mesh including 3 nos starining wire, clips and other accessories	m2	\$ 14.00
B2/17.2	SWG 12 galvanised fencing mesh including 3 nos straining wore, clips and other accessories	m2	\$ 13.00
B2/17.3	50mm x 1800mm long lionmesh hot dip galvanised fencing post with anti-climb clank top with 3 nos eye for barbed wire	No.	\$ 35.00
B2/17.4	50mm x 1800mm long lionmesh hot dip galvanised fencing post with anti-climb clank top with 4 nos eye for barbed wire	No.	\$ 36.00
B2/17.5	50mm x 2500mm long lionmesh hot dip galvanised fencing post with anti-climb clank top with 3 nos eye for barbed wire	No.	\$ 40.00
B2/17.6	50mm x 2500mm long lionmesh hot dip galvanised fencing post with anti-climb clank top with 4 nos eye for barbed wire	No.	\$ 41.00
B2/17.7	Lionmesh or equivalent fencing panel overall size 2400mm long x 1800mm high with 6.5mm bar and fixing clip complete	No.	\$ 110.00
B2/17.8	Double leaf swing gate size 6400mm wide x 1800mm high including 100mm GI post complete	Set	\$ 2,100.00
B2/17.9	1000mm wide x 1800mm high pedestrian gate including 100mm GI post complete	No.	\$ 350.00
B2/17.10	Fabricate and install MS double-leaf gate consists of 75mm x 75mm x 6mm MS angle frame and cross bracing infilled with SWG 8 gauge GI fencing mesh including 100mm diameter post overall size 6400mm wide x 1800mm high painted.	Set	\$ 1,900.00
B2/17.11	Fabricate and install MS double-leaf gate consists of 75mm x 75mm x 6mm MS angle frame and cross bracing infilled with SWG 12 gauge GI fencing mesh including 100mm diameter post overall size 6400mm wide x 1800mm high painted.	Set	\$ 2,200.00
B2/17.12	Fabricate and install MS 1000mm wide x 1800mm high pedestrian gate including 100mm diameter post	No.	\$ 300.00



Item No.	Description	Unit	Rate
B2/18.0	<u>ACCESSORIES AND ANCILLARIES</u>		
B2/18.1	<u>Remove existing and replace with new ½" tap for wash hand basin/sink including piping/threading required; as per stated brand or other approved equivalent.</u>		
B2/18.1.1	Brass Bib Tap	No.	\$ 14.00
B2/18.1.2	Chrome Pillar Tap; American Standard	No.	\$ 25.00
B2/18.1.3	Chrome Pillar Tap; Armitage Shanks	No.	\$ 20.00
B2/18.1.4	Chrome Plated Goose Neck/Swan Tap (Single hole); American Standard	No.	\$ 40.00
B2/18.1.5	Chrome Plated Goose Neck/Swan Tap (Single hole); Armitage Shanks	No.	\$ 30.00
B2/18.1.6	Chrome Plated Goose Neck/Swan Tap (Single hole); Asahi Acrylic	No.	\$ 25.00
B2/18.1.7	Chrome Plated Goose Neck/Swan Tap mixer (Single hole); American Standard	No.	\$ 100.00
B2/18.1.8	Chrome Plated Goose Neck/Swan Tap mixer (Single hole); Armitage Shanks	No.	\$ 65.00
B2/18.1.9	Chrome Plated Goose Neck/Swan Tap mixer (Single hole); Asahi Acrylic	No.	\$ 48.00
B2/18.1.10	Chrome Plated Goose Neck/Swan Tap mixer (Double hole); American Standard	No.	\$ 200.00
B2/18.1.11	Chrome Plated Goose Neck/Swan Tap mixer (Double hole); Armitage Shanks	No.	\$ 140.00
B2/18.1.12	Chrome Plated Goose Neck/Swan Tap mixer (Double hole); Asahi Acrylic	No.	\$ 65.00
B2/18.2	Supply and fix new : Showy - 2565m - PQC; complete with connection to existing pipe	No.	\$ 38.00
B2/18.3	Supply and fix new : Showy 6272 - Quarter turn single level bib faucet - 140mm; complete with connection to existing pipe	No.	\$ 31.00
B2/18.4	Supply and fix new : Showy - 6051F50 : Quarter turn single lever flexible spout sink faucet; complete with connection to existing pipe	No.	\$ 50.00
B2/18.5	Supply and fix new : Showy - 2988 The Pure C.P brass garden tap; complete with connection to existing pipe	No.	\$ 9.00
B2/18.6	Supply and fix new : Showy 2575HC C.P C/C stop cock; complete with connection to existing pipe	No.	\$ 14.00
B2/18.7	Supply and fix new : Showy 6053 - Quarter turn single level wall sink tap; complete with connection to existing pipe	No.	\$ 35.00
B2/18.8	Supply and fix new : Showy 6051U Quarter turn single level 'U' spout sink faucet; complete with connection to existing pipe	No.	\$ 41.00
B2/18.9	<u>Chrome Pillar / WB tap</u>		
B2/18.9.1	15mm diameter	No.	\$ 15.00
B2/18.9.2	20mm diameter	No.	\$ 30.00
B2/18.9.3	22mm diameter	No.	\$ 45.00
B2/18.10	<u>Chromium water tap/bib tap</u>		
B2/18.10.1	Ditto but remove and replace 15mm "ilife" Art:TH8107 (3) bib cock/tap	No.	\$ 99.00
B2/18.10.2	Ditto but remove and replace 15mm diameter "Toto" T23 B13	No.	\$ 117.00
B2/18.11	<u>Lavatory Faucet (Wash Basin) Tap</u>		
B2/18.11.1	Ditto but remove and replace "ilife" Art:TH8065	No.	\$ 72.00
B2/18.11.2	Ditto but remove and replace 15mm diameter "Grohe" pillar tap : 20 101 OR "American Standard" WF-4604.405	No.	\$ 135.00
B2/18.11.3	Ditto but to remove and replace 15mm diameter, Toto TX603KCS hot and cold.	No.	\$ 113.00
B2/18.11.4	Ditto but to remove and replace 15mm diameter, Toto T205 LCSC	No.	\$ 135.00
B2/18.12	<u>Wash Basin mixer Tap with Pop-Up Waste/Weight Chain</u>		
B2/18.12.1	Ditto but to remove and replace "ilife" D7911D1C	No.	\$ 130.00
B2/18.12.2	Ditto but to remove and replace "TOTO" TX115 LF or "American Standard" wf-3011.201.50	No.	\$ 108.00
B2/18.12.3	Ditto but to remove and replace "Grohe" Euroeco 33 149	No.	\$ 117.00



Item No.	Description	Unit	Rate
B2/18.12.4	Ditto but to remove and replace "Grohe" Baucurve 32805. Chromium Plated Stop Valve (Angle tap)	No.	\$ 180.00
B2/18.12.5	Ditto but to remove and replace 15mm diameter "ilife".	No.	\$ 72.00
B2/18.12.6	Ditto but to remove and replace 15mm diameter "Toto" TX 423 ST1	No.	\$ 108.00
B2/18.12.7	Ditto but to remove and replace 15mm diameter, "Toto" TL 340 C5N or "American Standard".	No.	\$ 135.00
B2/18.13	<u>Chromium Plated Goose Neck or Swan Tap mixer (Single hole)</u>		
B2/18.13.1	Ditto but to remove and replace 15mm diameter "ilife" Art:TH8084 double handle or single handle	No.	\$ 90.00
B2/18.13.2	Ditto but to remove and replace 15mm diameter "ilife" Art:202102C single handle	No.	\$ 90.00
B2/18.13.3	Ditto but to remove and replace 15mm diameter "ilife" Art:202102C single handle mixer	No.	\$ 180.00
B2/18.13.4	Ditto but to remove and replace "Grohe" : CLASSIC 31522	No.	\$ 135.00
B2/18.13.5	Ditto but to remove and replace "Grohe" : CLASSIC 33202 mixer	No.	\$ 350.00
B2/18.13.6	Ditto but to remove and replace "Toto" TX603KCS	No.	\$ 96.00
B2/18.13.7	Ditto but to remove and replace "American Standard" WF-5607.501.50	No.	\$ 135.00
B2/18.14	<u>Garden Tap</u>		
B2/18.14.1	Ditto but to remove and replace 15mm diameter "Showy" 6082N Blue Handle mini Garden tap with hose union.	No.	\$ 18.00
B2/18.14.2	Ditto but 15mm diameter "ilife" Art:TH8107 (3) tap with hose union.	No.	\$ 72.00
B2/18.14.3	Ditto but to remove and replace "American Standard" WF-4606.405	No.	\$ 135.00
B2/18.14.4	Ditto but to remove and replace "Toto" T26-13	No.	\$ 135.00
B2/18.15	<u>Bath mixer Tap Complete with Telephone Shower</u>		
B2/18.15.1	Ditto but to remove and replace 15mm diameter "ilife" 02 3101C single lever bath mixer with 98 1104C handshower with flexible hose.	No.	\$ 225.00
B2/18.15.2	Ditto but to remove and replace 15mm diameter "ilife" 073101C single lever bath mixer with 98 6201C handshower with flexible hose.	No.	\$ 280.00
B2/18.15.3	Ditto but to remove and replace "Grohe" : EUROECO 335838 "Single Lever"	No.	\$ 225.00
B2/18.15.4	Ditto but to remove and replace "Grohe" : Baucurve 32805 "Single Lever"	No.	\$ 225.00
B2/18.15.5	Ditto but to remove and replace "American Standard" WF-2711.60.50 or "Toto" TX401 SBZ	No.	\$ 225.00
B2/18.15.6	Ditto but to remove and replace "American Standard" WF-2711.60.50 or Acacib bath/shower mixer c/w handshower and holder	No.	\$ 520.00
B2/18.16	<u>Remove existing flexible hose and replace new with:</u>		
B2/18.16.1	15mm diameter; connection to pipe	No.	\$ 13.00
B2/18.16.2	20mm diameter; connection to pipe	No.	\$ 15.00
B2/18.17	<u>New flushing cistern-all dual flush or water saver types (3/6 litres)</u>		
B2/18.17.1	Ditto but to remove and replace "Toto" or "American Standard" (Ceramic high/low level - white) including all fittings and plumbing works.	No.	\$ 135.00
B2/18.17.2	Ditto but to remove and replace "Cotto" or "Karat" high/low level - White) including all fittings and plumbing works. Close-coupled white.	No.	\$ 108.00
B2/18.18	<u>Tank Fittings for Water Closets Cisterns</u>		
B2/18.18.1	W.C Siphon tank fittings	No.	\$ 50.00
B2/18.18.2	"Armitage Shank" free flow or any other technically approved equivalent	No.	\$ 50.00
B2/18.18.3	"American Standard" TF-1011 or any other technically approved equivalent	No.	\$ 50.00
B2/18.17	<u>Plastic mechanism Dual Flush Type for Water Closets/Flushing Cistern (Tank Fitting)</u>		
B2/18.17.1	Ditto but to remove and replace common / normal type or siphon type or similar fittings	No.	\$ 23.00
B2/18.17.2	Ditto but to remove and replace plastic mechanism for DUAL FLUSH TYPE "Toto" / "American Standard"	No.	\$ 54.00



Item No.	Description	Unit	Rate
B2/19.0	<u>Cracked Lines and the Likes</u>		
B2/191.1	Hack and clean all crack line to wall, ceiling, etc. and prepare surfaces to receive mortar	m	\$ 2.00
B2/19.2	Hack and clean crack line with air jet, insert injection ports at interval and seal up cracks line with Epoxy light weight mortar	m	\$ 5.00
B2/19.3	Inject Epoxy Resin starting from the bottom / first injection port until it flows to the adjacent port inclusive of removing the ports and patch up all irregulaities	m	\$ 35.00
B2/19.4	Repair cracks by patch repair with polymer modifies mortar including applying bonding agent to newly hacked surfaces	m	\$ 18.00
B2/19.5	Locate, hack, remove and dispose offsite of all spalling and unsound concrete up to a maximum 50mm width along cracked lines with approved hand/low-powered tools; until exposing sound concrete; inclusive of roughening and cleaning of all exposed surfaces/edges; ready to receive new structural materials.	m	\$ 5.00
B2/19.6	Fill and seal up newly hacked, roughened, cleaned and exposed surfaces/edges of cracked lines to smooth with approved Epoxy Light Weight mortar, inclusive of applying with approved bonding agent.	m	\$ 5.00
B2/19.7	To remove, clean existing sealer, filler or putty prior to receive new filler or sealer.	m	\$ 4.00
B2/19.8	To cut out the cracks with a masonry grinder or disc cutter, to form square edges slot, and remove all dust and debris.	m	\$ 10.00
B2/19.9	To supply and lay new sealer, a mixture of bonding agent and cement paste to cracks and opening to masonry building generally.	m	\$ 15.00
B2/19.10	To supply and lay new sealant, to cracks and opening to masonry building generally.	m	\$ 15.00
B2/19.11	To supply and lay new roof asphalt cement to roof blister, cracks, joint and opening generally including warranty.	m	\$ 20.00
B2/19.12	<u>Ground Slab, Aprons and the Likes</u>		
	<u>Repair of newly hacked, roughened, cleaned and exposed surfaces/edges of ground slab/apron with concrete not exceeding 100mm thick, including plastering works, formwork and other necessary works required, all to match existing. Works include to remove unsound concrete with approved hand/low powered tools; until exposing sound concrete; replace any damaged reinforcements to match existing and clear all debris offsite</u>		
B2/19.12.1	grade 20	m2	\$ 15.00
B2/19.12.2	grade 25	m2	\$ 16.00
B2/19.12.3	grade 30	m2	\$ 17.00
B2/19.13	<u>Expansion Joints</u>		
B2/19.13.1	Remove existing expansion joint materials, unsound/spalled concrete; roughened and cleaned all exposed surfaces with approved hand/low-powered tools ready to receive new expansion joints materials.	m	\$ 10.00
B2/19.13.2	<u>Replace and insert with new Flexcell Bitumen Impregnated Fibre Board or other approved equivalent; inclusive of sealing at top with Polysulphide Rubber Sealant or other approved equivalent.</u>		
	<u>Wall and the likes</u>		
B2/19.13.2.1	12.5mm x 12.5mm	m	\$ 25.00
B2/19.13.2.2	24mm x 24mm	m	\$ 28.00
B2/19.13.2.3	30mm x 30mm	m	\$ 30.00



Item No.	Description	Unit	Rate
B2/20.0	<u>ROADWORKS, PAVING BLOCKS, ROAD SIGNAGES AND INTERNAL/EXTERNAL BUILDING SIGNAGES</u>		
B2/20.1	<u>Roadworks</u>		
B2/20.1.1	<u>Excavation for roads, hardstanding and the likes; extra over all types of excavation/cutting using appropriate cutter equipment/machine and disposal for breaking up and removing the following materials</u>		
B2/20.1.1.1	reinforced concrete	m3	\$ 55.00
B2/20.1.1.2	rock	m3	\$ 22.00
B2/20.1.1.3	tarmacadam road surfacing and base courses	m2	\$ 16.00
B2/20.1.2	<u>Preparing, trimming, etc sub-grade formation to the required levels, gradinets, falls or camber to receive road bottoming, pavement or the like</u>	m2	\$ 1.60
B2/20.1.3	<u>Approved free-draining material (uncrushed stone); beds well cosolidated, rolling with approved roller</u> 150mm thick including extra labour laying to slopes, falls or chamber; blinding with sand	m2	\$ 12.00
B2/20.1.4	<u>Bitumen tack coat; B.S. 3690; applied at the rate 2m2 - 3m2 per litre</u>		
B2/20.1.4.1	applying on blinded road base surface	m2	\$ 2.00
B2/20.1.4.2	applying on asphaltic concrete base coarse surface	m2	\$ 2.00
B2/20.1.5	<u>Asphaltic concrete base course; on road base; rolling with approved roller</u> 60mm thick after consolidated; laying to slopes, falls and cambers	m2	\$ 27.00
B2/20.1.6	<u>Asphaltic concrete wearing course; rolling with approved roller</u> 40mm thick after consolidated; laying to slopes, falls and cambers	m2	\$ 20.00
B2/20.1.7	Sealing of road pavement cracks with bitumen sand mix (1:2 portion) as directed by S.O	m	\$ 3.00
B2/20.2	<u>Road Furniture</u>		
B2/20.2.1	Forming asphalt road ramp; including compaction to form required slope profile complete with thermoplastic road paint to satisfaction of the Superintending Officer.	m2	\$ 35.00
B2/20.2.2	<u>Supply and fix approved rubber-coated steel hump complete with connection, all strictly in accordance with the Manufacturer's Specification and Instructions and Superintending Officer approval</u>		
B2/20.2.2.1	Speed hump, 50mm thick x 500mm width (reflective end cap)	m	\$ 30.00
B2/20.2.2.2	Speed hump, 50mm thick x 500mm width (non-reflective end cap)	m	\$ 30.00
B2/20.2.3	<u>Prepare and apply two coats minimum 2.5mm thickness of road marking thermoplastic reflective paint on road surfacing in approved colour and pattern as shown on drawing including all necessary setting out and templates.</u>		
B2/20.2.3.1	Stopline; 100mm wide	m	\$ 2.00
B2/20.2.3.2	Stopline; 300mm wide	m	\$ 3.00
B2/20.2.3.3	Parking line; 100mm wide	m	\$ 4.00
B2/20.2.3.4	Continuous line; 100mm wide	m	\$ 2.00
B2/20.2.3.5	Centre line; 100mm wide	m	\$ 2.00
B2/20.2.3.6	Yellow junction box; 300mm wide	m	\$ 4.00
B2/20.2.3.7	Cross hatching	m	\$ 3.00
B2/20.2.3.8	Single directional arrow mark pointing straight; overall size 500mm x 4000mm	No.	\$ 60.00
B2/20.2.3.9	Single directional arrow mark pointing left or right; overall size 500mm x 4000mm	No.	\$ 60.00
B2/20.2.3.10	Two ways directional arrow mark pointing straight and left or right; overall size 790mm x 4000mm	No.	\$ 60.00
B2/20.2.3.11	Two ways directional arrow mark pointing left and right; overal; size 1400mm x 4000mm	No.	\$ 60.00

Item No.	Description	Unit	Rate
B2/20.2.3.12	Road marking thermoplastic type for fire engine parking mark approx. size 12000mm (L) x 3000mm (W) (line width 100mm)	No.	\$ 1,600.00
B2/20.2.3.13	Pedestrian crossing, consists of 19 nos of equal paint each size 1800mm x 300mm, overall size 5600mm x 1800mm	No.	\$ 250.00
B2/20.2.4	<u>Prepare and apply two coats minimum 2.5mm thickness of road marking thermoplastic approved road line paint on road surfacing in approved colour and pattern as shown on drawing including all necessary setting out and templates.</u>		
B2/20.2.4.1	Stopline; 100mm wide	m	\$ 2.00
B2/20.2.4.2	Stopline; 300mm wide	m	\$ 4.00
B2/20.2.4.3	Parking line; 100mm wide	m	\$ 3.00
B2/20.2.4.4	Continuous line; 100mm wide	m	\$ 2.00
B2/20.2.4.5	Centre line; 100mm wide	m	\$ 2.00
B2/20.2.4.6	Yellow junction box; 300mm wide	m	\$ 4.00
B2/20.2.4.7	Cross hatching	m	\$ 2.00
B2/20.2.4.8	Single directional arrow mark pointing straight; overall size 500mm x 4000mm	No.	\$ 50.00
B2/20.2.4.9	Single directional arrow mark pointing left or right; overall size 500mm x 4000mm	No.	\$ 50.00
B2/20.2.4.10	Two ways directional arrow mark pointing straight and left or right; overall size 790mm x 4000mm	No.	\$ 50.00
B2/20.2.4.11	Two ways directional arrow mark pointing left and right; overall size 1400mm x 4000mm	No.	\$ 50.00
B2/20.2.4.12	Road marking thermoplastic type for fire engine parking mark approx. size 12000mm (L) x 3000mm (W) (line width 100mm)	No.	\$ 1,500.00
B2/20.2.4.13	Pedestrian crossing, consists of 19 nos of equal paint each size 1800mm x 300mm, overall size 5600mm x 1800mm	No.	\$ 250.00
B2/20.2.5	<u>Supply and install the following standard size reflective warning directional signs with and including 100mm diameter galvanised iron pipe post cast into and including concrete footing and all excavation, formwork, disposal and painting post to approved specified color all as per complying to Road Department Regulations.</u>		
B2/20.2.5.1	STOP / "BERHENTI" sign, overall signage size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.2	NO LEFT TURN / "NO RIGHT TURN" sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.3	NO U-TURN sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.4	U-TURN sign, size 900mm x 600mm	No.	\$ 350.00
B2/20.2.5.5	NO WAITING sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.6	NO ENTRY sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.7	SPEED LIMIT sign, size 600mm diameter	No.	\$ 350.00
B2/20.2.5.8	END OF SPEED LIMIT sign, size 600mm diameter	No.	\$ 350.00
B2/20.2.5.9	GIVE WAY sign, size 600mm diameter	No.	\$ 350.00
B2/20.2.5.10	ONE WAY STREET sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.11	KEEP LEFT sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.12	KEEP EITHER SIDE" sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.13	BUS STOP" sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.14	MAXIMUM HEIGHT CLEARANCE sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.15	NO PARKING sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.16	PARKING AREA sign, size 900mm x 900mm	No.	\$ 350.00
B2/20.2.5.17	Signage for fire engine access sign approx. size 2000mm x 1000mm	No.	\$ 865.00
B2/20.2.5.18	Caution sign; overall size, 2000mm (L) x 1000mm (H) inclusive of wording "DILARANG MELETAKKAN KEDENDERAAN ATAU BARANG BARANGAN" / "PARKING OR PLACING GOODS ARE PROHIBITED" sign	No.	\$ 865.00
B2/20.2.5.19	OCCUPANCY LIMIT' (maximun occupancy) sign, sizes 355mm x 255mm	No.	\$ 40.00
B2/20.2.5.20	REVERSE PARKING ONLY sign, size 450mm x 300mm	No.	\$ 59.00
B2/20.2.6	Repainting of existing post of any size with approved paint or directed by S.O including sanding and cleaning works prior to painting.	m2	\$ 2.00
B2/20.2.7	Realignment / adjustment of existing tilted/turned regulatory/warning sign and post of any size including making good the surrounding to match existing or as directed by the S.O.	No.	\$ 6.00



Item No.	Description	Unit	Rate
B2/20.2.8	<u>Approved heavy-duty Grade 316 Stainless Steel Removeable Bollard, stain-finished complete approved reflector stripes, inclusive of all necessary fixing accessories and fix in accordance to the manufacturer requirement and to satisfaction of the Superintending Officer.</u> 150mm diameter stainless steel bollard, 700mm high	No.	\$ 120.00
B2/20.2.9	<u>Approved heavy-duty ultra-violet resistance PVC Removeable Bollard, complete with approved reflector stripes, inclusive of all necessary fixing accessories and fixed in accordance to the manufacturer's requirement and to satisfaction of the Superintending Officer.</u> 150mm diameter PVC bollard, 700mm high	No.	\$ 21.00
B2/20.3	<u>Painting Works</u>		
B2/20.3.1	Prepare and apply two coats of approved road reflective paint to general surfaces of road kerb in black and white alternately in 600mm length, exceeding 500mm but not exceeding 600mm girth	m	\$ 2.00
B2/20.4	<u>Paving Blocks</u>		
	<u>To remove existing paver blocks; supply and lay new paver blocks on well compacted and level smooth even surface bedding sand</u>		
B2/20.4.1	"D" type	m2	\$ 100.00
B2/20.4.2	"U" type	m2	\$ 122.00
B2/20.4.3	"Y" type	m2	\$ 100.00
B2/20.4.4	"Shell" type	m2	\$ 32.00
B2/20.4.5	"Penguin" type	m2	\$ 105.00
B2/21.0	<u>DRAINLAYER</u>		
B2/21.1	<u>Sewer Line Pipeworks</u>		
B2/21.1.1	<u>Vitrified Clay pipes and fittings; to BS 65 and BS 540; spigot and flexible joints; including cutting where required for, providing temporary stops, softboard at joints; including all flexible connection and mechanical joint to pipe and from manhole.</u>		
B2/21.1.1.1	100mm diameter pipe, laid in trench to fall	m	\$ 61.00
B2/21.1.1.2	150mm diameter pipe, laid in trench to fall	m	\$ 74.00
B2/21.1.1.3	200mm diameter pipe, laid in trench to fall	m	\$ 99.00
B2/21.1.2	<u>Ductile Iron pipe to BS 4772 with extenal coating to BS 4146 & internal aluminium cement lining joined with and including approved joints and laid in trench all in accorrdance with manufacturer's instruction.</u>		
B2/21.1.2.1	100mm diameter pipe, laying in trench to fall including concrete Grade 15 anchor thrust block where necessary	m	\$ 73.00
B2/21.1.2.2	150mm diameter pipe, laying in trench to fall including concrete Grade 15 anchor thrust block where necessary	m	\$ 94.00
B2/21.1.2.3	200mm diameter pipe, laying in trench to fall including concrete Grade 15 anchor thrust block where necessary	m	\$ 126.00
B2/21.1.3	<u>Coated ductile iron pipes and fittings to BS EN 545 : 2002 / ISO 2531 : 1998 or IS 8329 : 2000. Class K-9 with integral cement lining or polyurethane lining as specified ; push-on rubber 'O' ring socket fittings for underground installations; flange and flexible joints buried underground protected with 'Denso Mastic' and wrapped around with 'Denso Tape' or other equal and approved protection system.</u>		
B2/21.1.3.1	100mm diameter pipe, laying in trench to fall including concrete Grade 15 anchor thrust block where necessary	m	\$ 92.00
B2/21.1.3.2	150mm diameter pipe, laying in trench to fall including concrete Grade 15 anchor thrust block where necessary	m	\$ 118.00
B2/21.1.3.3	200mm diameter pipe, laying in trench to fall including concrete Grade 15 anchor thrust block where necessary	m	\$ 158.00



Item No.	Description	Unit	Rate
B2/21.1.4	<u>UPVC pipes and fittings; BS 4660; jointing in accordance with the Manufacturer's instructions.</u>		
B2/21.1.4.1	100mm diameter pipe, laid in trench to fall	m	\$ 22.00
B2/21.1.4.2	150mm diameter pipe, laid in trench to fall	m	\$ 36.00
B2/21.2	Pipe Bedding		
B2/21.2.1	<u>Pipe bedding and backfilling consisting of 50mm thick Grade 15 lean concrete, Grade 30 reinforced concrete bed with all necessary reinforcement, formwork and backfilled with 750mm thick well compacted sand and complete with well compacted selected materials, all as per Superintending Officer instructions.</u>		
B2/21.2.1.1	100mm diameter pipe, laid in trench to fall	m	\$ 32.00
B2/21.2.1.2	150mm diameter pipe, laid in trench to fall	m	\$ 36.00
B2/21.2.2	<u>Pipe bedding and backfilling under road pavement consisting of 50mm thick Grade 15 lean concrete, grade 30 reinforced concrete bed with all necessary reinforcement, formwork and backfilled with 750mm thick well compacted sand and complete with well compacted selected materials, all as per Superintending Officer instructions.</u>		
B2/21.2.2.1	100mm diameter pipe, laid in trench to fall	m	\$ 32.00
B2/21.2.2.2	150mm diameter pipe, laid in trench to fall	m	\$ 36.00
B2/21.3	Manhole		
B2/21.3.1	<u>Rectangular manhole internal size 900mm x 760mm, complete with sulphate resistance Grade 30, 150mm thick walls, 200mm thick base and 150mm thick cover slab, on lean concrete blinding, alumina cement and sand (1:3) benching and rendering to exposed surfaces including all necessary excavation, reinforcement, formwork, disposal, backfilling and approved iron step to BS 1247 coated with polypropylene copolymer etc, all as per Superintending Officer instructions</u>		
B2/21.3.1.1	Average depth 600mm - 900mm deep to invert	No.	\$ 530.00
B2/21.3.1.2	Average depth 900mm - 1200mm deep to invert	No.	\$ 700.00
B2/21.3.2	<u>Rectangular manhole internal size 900mm x 760mm, complete with sulphate resistance Grade 30, 200mm thick walls, 200mm thick base and 150mm thick cover slab, on lean concrete blinding, precast sulphate resistance concrete chamber ring encased in concrete surround, alumina cement and sand (1:3) benching and rendering to exposed surfaces including all necessary excavation, reinforcement, formwork, disposal and approved cast iron step etc, all as per Superintending Officer instructions.</u>		
B2/21.3.2.1	Average depth 600mm - 900mm deep to invert	No.	\$ 565.00
B2/21.3.2.2	Average depth 900mm - 1200mm deep to invert	No.	\$ 780.00
B2/21.3.3	<u>Circular internal chamber size 1200mm diameter, complete with sulphate resistance Grade 30, 150mm thick walls, 200mm thick base and 150mm thick cover slab, on lean concrete blinding, alumina cement and sand (1:3) benching and rendering to exposed surfaces including all necessary excavation, reinforcement, formwork, disposal, backfilling and approved iron step to BS 1247 coated with polypropylene copolymer etc, all as per Superintending Officer instructions.</u>		
B2/21.3.3.1	Average depth 600mm - 900mm deep to invert	No.	\$ 1,400.00
B2/21.3.3.2	Average depth 900mm - 1200mm deep to invert	No.	\$ 1,800.00



Item No.	Description	Unit	Rate
B2/21.3.4	<u>Manholes; one brick sides; 20mm cement mortar (1:3) external rendering; 20mm cement and sand (1:2) internal rendering; 225 concrete bed on 75mm concrete (1:3:6) binding; 180mm concrete cover slab reinforced with two layers of B. R. C. No. A6 fabric reinforcement; on brick thick surround to opening three courses high for cover and framing (measured separately); concrete benching to channels rendered in cement and sand (1:2); galvanised malleable cast iron step to BS 1247 staggered built-in to wall at 300mm centres.</u> <u>1220 x 760mm internal size;</u>		
B2/21.3.4.1	Average depth 600mm - 900mm deep to invert; with vitrified clay 150mm half round straight main channel; two 100mm three quarter section branch channels	No.	\$ 380.00
B2/21.3.4.2	Average depth 900mm - 1200mm deep to invert; with vitrified clay 150mm half round straight main channel; two 150mm three quarter section branch channels	No.	\$ 510.00
B2/21.4	Grease Trap		
B2/21.4.1	<u>Grease trap internal chamber size 1800mm diameter, complete with sulphate resistance Grade 30 concrete base and cover slab, on lean concrete blinding, 150mm thick walls, 150mm thick base and 100mm thick slab cover, on lean concrete blinding, stainless steel strainer bucket, alumina cement and sand (1:3) benching and rendering to exposed surfaces including all necessary excavation, reinforcement, formwork, disposal, approved iron step to BS 1247 coated with polypropylene copolymer, all heavy duty approved manhole covers etc, all as per Superintending Officer instructions.</u>		
B2/21.4.1.1	Average depth 600mm - 900mm deep to invert	No.	\$ 3,000.00
B2/21.4.1.2	Average depth 900mm - 1200mm deep to invert	No.	\$ 3,850.00
B2/21.5	Backdrop		
B2/21.5.1	<u>Plain concrete sulphate resistance Grade 30 backdrop complete with and including vitrified clay 90 degree square junction, 90 degree long bend, short piece, concrete surround, excavation, backfilling and cartaway, all as per Superintending Officer instructions.</u>		
B2/21.5.1.1	Backdrop for 150mm diameter vitrified clay pipe	No.	\$ 900.00
B2/21.6	Chamber		
B2/21.6.1	<u>Supply, delivery and construct reinforced sulphate resistance concrete Grade 30 neutralising chamber, secondary chamber and outlet, including excavation, disposal, backfilling, concrete, reinforcement, formwork, rendering, screeding, approved neutralising fill of limestones & bicarbonate, approved charcoal faggots fill, retaining boulder of varies sizes, pipes amd fittings, heavy duty manhole covers, aggregates, testing, seeding, all as per Superintending Officer instructions.</u>		
B2/21.6.1.1	Neutralising chamber; overall size 1050mm x 4650mm x 2375mm deep	No.	\$ 2,800.00
B2/21.6.2	Sluice Valve Chamber; overall average size 1500mm x 1500mm x 1050mm deep (internal) constructed all as per Engineer's detail drawing including all excavation, concrete, reinforcement, formwork, backfilling and disposal	No.	\$ 1,560.00
B2/21.7	Heavy Duty Covers and Traps		
B2/21.7.1	<u>Heavy duty, Grade D400 ductile iron frame and cover to BS EN 124; 600mm diameter circular frame and cover including cement mortar (1:3) bedding and backing and two coats of coal tar epoxy paint as per Superintending Officer specification.</u>		
B2/21.7.1.1	Manhole cover; 600mm diameter	No.	\$ 146.00
B2/21.7.1.2	Septic tank cover; 600mm diameter	No.	\$ 146.00
B2/21.7.1.3	Grease trap cover; 600mm diameter	No.	\$ 146.00
B2/21.7.1.4	Nuetralising chamber cover; 600mm diameter	No.	\$ 146.00



Item No.	Description	Unit	Rate
B2/21.7.2	<u>Heavy duty, Grade D400 ductile iron frame and cover to BS EN 124; 450mm x 600mm double triangular frame and cover including cement mortar (1:3) bedding and backing and two coats of coal tar epoxy paint as per Superintending Officer specification</u>		
B2/21.7.2.1	Manhole cover; 600mm diameter	No.	\$ 245.00
B2/21.7.2.2	Septic tank cover; 600mm diameter	No.	\$ 245.00
B2/21.7.2.3	Grease trap cover; 600mm diameter	No.	\$ 245.00
B2/21.7.2.4	Nuetralising chamber cover; 600mm diameter	No.	\$ 245.00
B2/21.7.3	<u>Heavy duty hot dipped galvanised mild steel gratings; including angles, intersections and ends; setting and hinges on and including 70 x 70 x 10mm thick mild steel angle frames bedded in cement mortar (1:3); welded with R10 dowel bar cast into rebate of box channel infill with 50mm high x 12mm thick at 40mm centre, all as per Superintending Office instructions.</u>		
B2/21.7.3.1	600mm x 600mm concrete sump	No.	\$ 180.00
B2/21.7.3.2	675mm x 675mm concrete sump	No.	\$ 280.00
B2/21.8	Medium Duty Covers		
B2/21.8.1	<u>Medium duty, Grade B125 ductile iron frame and cover to BS EN124; 600mm diameter circular frame and cover including cement mortar (1:3) bedding and backing and two coats of coal tar epoxy paint as per Superintending Officer specification.</u>		
B2/21.8.1.1	Manhole cover; 600mm diameter	No.	\$ 123.00
B2/21.8.1.2	Septic tank cover; 600mm diameter	No.	\$ 123.00
B2/21.8.1.3	Grease trap cover; 600mm diameter	No.	\$ 123.00
B2/21.8.1.4	Nuetralising chamber cover; 600mm diameter	No.	\$ 123.00
B2/21.8.2	<u>Medium duty, Grade B125 ductile iron frame and cover to BS EN124; 450mm x 600mm double triangular frame and cover including cement mortar (1:3) bedding and backing and two coats of coal tar epoxy paint as per Superintending Officer specification</u>		
B2/21.8.2.1	Manhole cover; 600mm diameter	No.	\$ 107.00
B2/21.8.2.2	Septic tank cover; 600mm diameter	No.	\$ 107.00
B2/21.8.2.3	Grease trap cover; 600mm diameter	No.	\$ 107.00
B2/21.8.2.4	Nuetralising chamber cover; 600mm diameter	No.	\$ 107.00
B2/21.8.3	<u>Medium Duty, Coated cast iron rectangular single seal cover and frame; BS 497 Grade C; weighing 210kg; bedding frame in cement mortar (1:3); sealing in grease and fine sand.</u>		
B2/21.8.3.1	Manhole cover; 450mm x 600mm rectangular single seal cover	No.	\$ 102.00
B2/21.8.3.2	Septic tank cover; 450mm x 600mm rectangular single seal cover	No.	\$ 102.00
B2/21.8.3.3	Grease trap cover; 450mm x 600mm rectangular single seal cover	No.	\$ 102.00
B2/21.8.3.4	Nuetralising chamber cover; 450mm x 600mm rectangular single seal cover	No.	\$ 102.00
B2/21.9	Light Duty Covers		
B2/21.9.1	<u>Light duty, Grade A15 ductile iron frame and cover to BS EN 124; 600mm diameter circular frame and cover including cement mortar (1:3) bedding and backing and two coats of coal tar epoxy paint as per Superintending Officer specification</u>		
B2/21.9.1.1	Manhole cover; 600mm diameter	No.	\$ 99.00
B2/21.9.1.2	Septic tank cover; 600mm diameter	No.	\$ 99.00
B2/21.9.1.3	Grease trap cover; 600mm diameter	No.	\$ 99.00
B2/21.9.1.4	Nuetralising chamber cover; 600mm diameter	No.	\$ 99.00
B2/21.9.2	<u>Light duty, Grade A15 ductile iron frame and cover to BS EN 124; 450mm x 600mm rectangular frame and cover including cement mortar (1:3) bedding and backing and two coats of coal tar epoxy paint as per Superintending Officer specification.</u>		
B2/21.9.2.1	Manhole cover; 600mm diameter	No.	\$ 63.00
B2/21.9.2.2	Septic tank cover; 600mm diameter	No.	\$ 63.00
B2/21.9.2.3	Grease trap cover; 600mm diameter	No.	\$ 63.00
B2/21.9.2.4	Nuetralising chamber cover; 600mm diameter	No.	\$ 63.00



Item No.	Description	Unit	Rate
B2/21.10	Gully Tap Cover		
B2/21.10.1	Supply and install approved gully trap cover, complete with all necessary connections as per <u>Superintending Officer instructions</u>		
B2/21.10.1.1	8" x 8" gully trap cover	No.	\$ 15.00
B2/21.11	Flap Valve		
B2/21.11.1	Supply and install approved ductile Iron flap valve, complete with all necessary connections as per <u>Superintending Officer instructions.</u>		
B2/21.11.1.1	6" D.I flap valve	No.	\$ 55.00
B2/21.11.1.2	10" D.I flap valve	No.	\$ 130.00
B2/21.12	<u>Allow for labour and material for connection of new sewer pipes to existing manholes complete with coring / cutting of existing drain and make good all to the satification of the Superintending Officer and approval of the Local Authorities.</u>		
B2/21.12.1	100mm diameter	No.	\$ 500.00
B2/21.12.2	150mm diameter	No.	\$ 500.00
B2/21.13	<u>Allow for labour and material for connection of new sewer pipes to existing septic tank complete with coring / cutting of existing drain and make good all to the satification of the Superintending Officer and approval of the Local Authorities.</u>		
B2/21.13.1	100mm diameter	No.	\$ 1,000.00
B2/21.13.2	150mm diameter	No.	\$ 1,000.00
B2/21.13	<u>Allow for labour and materials to fix Vitrified Clay pipe to BS EN295 jointings and fittings; all strictly in accordance with the satisfaction of the Superintending Officer.</u>		
B2/21.13.1	<u>Tee;</u>		
B2/21.13.1.1	for 75mm diameter Vitrified Clay pipe	No.	\$ 40.00
B2/21.13.1.2	for 100mm diameter Vitrified Clay pipe	No.	\$ 49.00
B2/21.13.1.3	for 150mm diameter Vitrified Clay pipe	No.	\$ 66.00
B2/21.13.2	<u>Bend;</u>		
B2/21.13.2.1	for 75mm diameter Vitrified Clay pipe	No.	\$ 40.00
B2/21.13.2.2	for 100mm diameter Vitrified Clay pipe	No.	\$ 49.00
B2/21.13.2.3	for 150mm diameter Vitrified Clay pipe	No.	\$ 66.00
B2/21.13.3	<u>Elbow;</u>		
B2/21.13.3.1	for 75mm diameter Vitrified Clay pipe	No.	\$ 29.00
B2/21.13.3.2	for 100mm diameter Vitrified Clay pipe	No.	\$ 33.00
B2/21.13.3.3	for 150mm diameter Vitrified Clay pipe	No.	\$ 43.00
B2/21.14	<u>Allow for labour and materials for Vitrified Clay pipe fitting to BS 65 and S 540, all strictly in accordance with the satisfaction of the Superintending Officer.</u>		
B2/21.14.1	<u>For 100mm diameter Vitrified Clay pipe</u>		
B2/21.14.1.1	Spigot	No.	\$ 70.00
B2/21.14.1.2	Socketed	No.	\$ 70.00
B2/21.14.1.3	Jointing with rubber ring flexible joint	No.	\$ 30.00
B2/21.14.1.4	Extra for pipe bend	No.	\$ 67.00
B2/21.14.1.5	Extra for junction	No.	\$ 109.00
B2/21.14.2	<u>For 150mm diameter Vitrified Clay pipe</u>		
B2/21.14.2.1	Spigot	No.	\$ 105.00
B2/21.14.2.2	Socketed	No.	\$ 105.00
B2/21.14.2.3	Jointing with rubber ring flexible joint	No.	\$ 45.00
B2/21.14.2.4	Extra for pipe bend	No.	\$ 90.00
B2/21.14.2.5	Extra for junction	No.	\$ 140.00



Item No.	Description	Unit	Rate
B2/21.14.3	<u>For 200mm diameter Vitrified Clay pipe</u>		
B2/21.14.3.1	Spigot	No.	\$ 140.00
B2/21.14.3.2	Socketed	No.	\$ 140.00
B2/21.14.3.3	Jointing with rubber ring flexible joint	No.	\$ 60.00
B2/21.14.3.4	Extra for pipe bend	No.	\$ 120.00
B2/21.14.3.5	Extra for junction	No.	\$ 190.00
B2/21.15	<u>Allow for labour and materials for Ductile Iron pipe fitting to BS 4772 with extenal coating to BS 4146, all strictly in accordance with the satisfaction of the Superintending Officer.</u>		
B2/21.15.1	<u>For 100mm diameter Ductile Iron pipe</u>		
B2/21.15.1.1	Spigot	No.	\$ 70.00
B2/21.15.1.2	Socketed	No.	\$ 70.00
B2/21.15.1.3	Jointing with rubber ring flexible joint	No.	\$ 30.00
B2/21.15.1.4	Extra for pipe bend	No.	\$ 67.00
B2/21.15.1.5	Extra for junction	No.	\$ 109.00
B2/21.15.2	<u>For 150mm diameter Ductile Iron pipe</u>		
B2/21.15.2.1	Spigot	No.	\$ 340.00
B2/21.15.2.2	Socketed	No.	\$ 340.00
B2/21.15.2.3	Jointing with rubber ring flexible joint	No.	\$ 70.00
B2/21.15.2.4	Extra for pipe bend	No.	\$ 286.00
B2/21.15.2.5	Extra for junction	No.	\$ 448.00
B2/12.15.3	<u>For 200mm diameter Ductile Iron pipe</u>		
B2/12.15.3.1	Spigot	No.	\$ 340.00
B2/12.15.3.2	Socketed	No.	\$ 340.00
B2/12.15.3.3	Jointing with rubber ring flexible joint	No.	\$ 70.00
B2/12.15.3.4	Extra for pipe bend	No.	\$ 286.00
B2/12.15.3.5	Extra for junction	No.	\$ 448.00
B2/12.16	<u>Allow for labour and materials for UPVC pipe fitting to BS 4660, all strictly in accordance with the satisfaction of the Superintending Officer.</u>		
B2/12.16.1	<u>For 100mm diameter UPVC pipe</u>		
B2/12.16.1.1	Spigot	No.	\$ 19.00
B2/12.16.1.2	Socketed	No.	\$ 19.00
B2/12.16.1.3	Jointing with rubber ring flexible joint	No.	\$ 6.00
B2/12.16.1.4	Extra for pipe bend	No.	\$ 17.00
B2/12.16.1.5	Extra for junction	No.	\$ 24.00
B2/12.16.2	<u>For 150mm diameter UPVC pipe</u>		
B2/12.16.2.1	Spigot	No.	\$ 46.00
B2/12.16.2.2	Socketed	No.	\$ 46.00
B2/12.16.2.3	Jointing with rubber ring flexible joint	No.	\$ 6.00
B2/12.16.2.4	Extra for pipe bend	No.	\$ 40.00
B2/12.16.2.5	Extra for junction	No.	\$ 61.00
B2/12.17	Covers and Traps		
B2/12.17.1	<u>Allow labour and material to take off and remove existing cover and frame off-site to the satisfaction of the Superintending Officer.</u>		
B2/12.17.1.1	Existing manhole cover (any size / shape)	No.	\$ 14.00
B2/12.17.1.2	Existing septic tank cover (any size / shape)	No.	\$ 14.00
B2/12.17.1.3	Existing grease trap cover (any size / shape)	No.	\$ 14.00
B2/12.17.1.4	Existing nuetralising chamber cover (any size / shape)	No.	\$ 14.00
B2/12.17.1.5	Existing gully trap cover(any size / shape)	No.	\$ 14.00



Item No.	Description	Unit	Rate
B2/12.17.2	<u>Allow labour and material to take off and refit existing cover and frame off-site and make good all works disturbed to the satisfaction of the Superintending Officer.</u>		
B2/12.17.2.1	Existing manhole cover (any size / shape)	No.	\$ 27.00
B2/12.17.2.2	Existing septic tank cover (any size / shape)	No.	\$ 27.00
B2/12.17.2.3	Existing grease trap cover (any size / shape)	No.	\$ 27.00
B2/12.17.2.4	Existing neutralising chamber cover (any size / shape)	No.	\$ 27.00
B2/12.17.2.5	Existing gully trap cover (any size / shape)	No.	\$ 27.00
B2/12.18	Testing And Commissioning		
B2/12.18.1	<u>Upon completion of the whole foul drainage system, clean away all debris and clean thoroughly with water to the satisfaction of the Superintending Officer including paying all charges incurred.</u>	No.	\$ 250.00
B2/12.18.2	<u>Testing the installation as the work proceeds and on completion to the satisfaction of the Superintending Officer and approval of the Local Authorities</u>	No.	\$ 350.00
B2/22.0	<u>GENERAL SERVICES</u>		
B2/22.1	<u>Cleaning Water Tank</u>		
	<u>Supply all labour, equipment, materials, transportation, tools, scaffolding and make good opening existing ceiling including all bracket, painting and other associated work for purpose cleaning/washing/desludging of existing water tanks with water jet, brushing as instructed by OIC and satisfaction for cylindrical/panel water tank capacity</u>		
B2/22.1.1	Not exceeding 2300 litres (1.2m x 1.2m x 1.2m)	No.	\$ 80.00
B2/22.1.2	Ditto but not exceeding 4000 litres (1m x 2m x 2m)	No.	\$ 100.00
B2/22.1.3	Ditto but not exceeding 8000 litres (2m x 2m x 2m)	No.	\$ 200.00
B2/22.1.4	Ditto but no exceeding 50,000 litres (5m x 5m x 2.5m)	No.	\$ 300.00
B2/22.1.5	Ditto but not exceeding 72,000 litres (6m x 6m x 2.5m)	No.	\$ 350.00
B2/22.2	<u>Miscellaneous Maintenance Works Clean, Deslugged and Unblock Clogged Sanitary System</u>		
	<u>Supply labour, plants, tools, equipment, vehicles and other necessary to clean, desludge and unblock the following clogged sanitary plumbing system and fittings:</u>		
B2/22.2.1	manhole (any size)	No.	\$ 300.00
B2/22.2.2	Septic tank (any size)	No.	\$ 600.00
B2/22.2.3	Grease trap (any size)	No.	\$ 425.00
B2/22.2.4	Gully trap (any size)	No.	\$ 50.00
B2/22.2.5	Floor trap (any size)	No.	\$ 30.00
B2/22.2.6	Toilet bowl (any size)	No.	\$ 40.00
B2/22.2.7	Urinal bowl (any size)	No.	\$ 40.00
B2/22.2.8	Wash hand basin (any size)	No.	\$ 30.00
B2/22.2.9	Kitchen sink (any size)	No.	\$ 30.00
B2/22.2.10	150mm - 100mm diameter pipe	m	\$ 10.00
B2/22.2.11	100mm - 75mm diameter pipe	m	\$ 8.00
B2/22.2.12	75mm - 50mm diameter pipe	m	\$ 5.00



Item No.	Description	Unit	Rate
B2/22.3	<u>Temporary Hiab Crane, Safety Signs & Hoarding</u>		
B2/22.3.1	<u>To provide hiab crane services all in accordance to current available construction safety practices and requirement as per S.O approval and satisfaction.</u>		
B2/22.3.1.1	Normal Hiab	Hour	\$ 90.00
B2/22.3.1.2	Crane with Long Boom (915 tonnes / 20 tonnes / 25tonnes)	Hour	\$ 200.00
B2/22.3.2	<u>Construct and install hoarding;</u>		
B2/22.3.2.1	Safety hoarding; less than 2.5m high, metal cladding including timber/metal support, bracing and all other necessary works	m	\$ 40.00
B2/22.3.2.2	Safety hoarding; 2.5m - 4m high, metal cladding including timber/metal support, bracing and all other necessary works	m	\$ 80.00
B2/22.3.3	<u>Supply and install;</u>		
B2/22.3.3.1	Safety barricades, safety cones, signboard, safety netting or any relevant acceptable safety measures	Lot	\$ 50.00
B2/22.3.3.2	Heavy duty green canvas inclusive of ropes, pegs and installation	m2	\$ 6.00
B2/22.3.3.3	Barrier warning tapes (Red and white colour)	m	\$ 0.10
B2/22.4	<u>General Conservancy & Cleaning Works</u>		
B2/22.4.1	Dry sweeping, cleaning, racking, clearing, removing, carting, towing and transporting away dry leaves, fallen branches, silts, rubbish and any all waste, debris, unwanted articles and refuse from trade, construction, domestic and the likes, dumped and thrown illegally, to driveways, road kerbs, pedestrian walkways, ground floor parking bays and all open compound, playground, landscape and grass covered area; and including building scupper/perimeter and roadside drains, channels, sumps and the likes; and including emptying and cleaning with detergent of waste/litterbins and playground equipment, sets, accessories and the likes, all as specified; and as per O.I.C's instruction and satisfaction.	Lot	\$ 200.00
B2/22.4.2	<u>Desilting, washing, flushing and the likes to building (ONLY) driveways, aprons, perimeter drains and the likes; by means of high pressure water-jetting to open and concealed building scupper/ perimeter drains with average width generally not exceeding 500mm including adjacent apron, channels, sumps and the likes, including cleaning by carting, removing and transporting away any and all waste all as specified.</u>		
B2/22.4.2.1	driveway, apron	m2	\$ 0.80
B2/22.4.2.2	perimeter drain	m	\$ 1.00
B2/22.5	<u>Clear & Cutting</u>		
B2/22.5.1	Clear any vegetation, grass, shrubs, bushes, stone, boulder and the like; clear all debris off site or at S.O discretion. (Not for clearing trees)	m2	\$ 1.40
B2/22.5.2	<u>Cut down large trees or fallen trees including grubbing up roots and filling coids with imported fills; and dispose off site</u>		
B2/22.5.2.1	< 150mm Ø	No.	\$ 250.00
B2/22.5.2.2	150mm - 300mm Ø	No.	\$ 400.00
B2/22.5.2.3	> 300mm Ø	No.	\$ 650.00
B2/22.6	<u>Grass Cutting Works</u>		
	NOTE: Height of cut grass shall be approximately 25mm from ground level.		
	Grass cutting including edge trimming and grass covered. Landscape areas within the specified zones, including Maximum (6) SIX meters adjacents and beyond any accessible man made features,access roads, roadside reserve, boundaries, perimeter fencing, wall and / or drains and the like within the Contract Site Boundary; and including cleaning, and / or carting away all cut grass as per S.O's instruction and satisfaction	m2	0.20



Item No.	Description	Unit	Rate
B2/22.7	<u>Pest Control</u> Note : Contractors are to submit approval certification from CPRU and Ministry of Health for any chemicals to be used. To attached brochure/catalogue of materials to be used. ** FOR EACH TREATMENT A 5 YEARS WARRANTY SHOULD BE PROVIDED IN WRITTEN FORM OR AS SPECIFIED BY THE MANUFACTURER.		
B2/22.7.1	<u>Anti-Termite treatment Works</u>		
B2/22.7.1.1	<u>Method 1</u> (PREMISE 200 ST/ MATADOR or approved equivalent State Brand :) Drill neat holes along both sides of walls / built-in cabinet through cabinet floor or apron, so as to reach the soil. Inject approved termiticide in every holes, all in accordance with manufacturer's instruction using low pressure pump as per S.O's instruction.	No.	\$ 2.00
B2/22.7.1.2	<u>Method 2</u> (PREMISE 200 ST/ MATADOR or approved equivalent State Brand :) Brush on or spray with approved termiticide, all in accordance with manufacturer's instruction into all termite galleries or tunnels that are visible on the exposed parts of timber structures.	m2	\$ 0.50
B2/22.7.1.3	<u>Others</u> External inspection and apply approved termiticide to trees, logs, stumps, poles or any timber materials and termite nests within the compound of the infested premises suspected of harbouring termites, all in accordance with manufacturer's instruction including probing and clearing off site.	No.	\$ 15.00
B2/22.7.1.4	<u>Thermal Imaging Inspection (Infrared Camera) Works</u> To provide Thermal Imaging inspection using Infrared Camera to detect termites activity and to provide comprehensive report. (Inspection must be carried out in all area of the inclusive all occupied tenants units)	Block	\$ 2,000.00
B2/22.7.2	<u>Hornet's Hive Removal</u>		
B2/22.7.2.1	To remove and control mainly by spraying with residual instant knockout effect insecticide (certified by Ministry of Health, Negara Brunei Darussalam). The instant knockout effect insecticide provide residual exterminating action on hornet.	Treatment	\$ 200.00
B2/22.7.3	<u>Rodent Control</u>		
B2/22.7.3.1	<u>Flushing Out (Trapping Method)</u> The scope of work includes glue traps are place along rat runs, ceiling, dry areas and all potential breeding and harborage areas. Inspection will be carried out alternate date intervals to prevent dead or trapped rats cause any foul adour. After such treatment, a maintenance programmes will be undertaken as stated in item 3.2.	Time	\$ 800.00
B2/22.7.3.2	<u>Maintenance (Rodenticide Baiting)</u> Coated coagulant rat balls used and placed in the bait stations around the office area, garbage area and fencing. The hermmorrhage effect causes rats to seek water and eventually die outside its harborage. The contractor will collect all dead rats and area where they are retrieved from and will be treated with disinfecting or deodorizing agents.	Time	\$ 300.00



Item No.	Description	Unit	Rate
B2/22.8	<u>Temporary Scaffolding</u> Note: Provide, maintain and remove when directed by the S.O. and make good all temporary scaffolding complete with safety cover net, staging, planked footways, guard-rails, toe boards, rigids clamp, swivel clamp, cross bracing, diagonal brace, sill, base plate and the like and to whatever height as may required for the use of the workmen in accordance of the S.O. and Safety, Health and Environment National Authority (SHENA). Scaffold board should not be less than 225mm wide. Working platforms for men without materials or only for passage of materials must be 500mm width. For men and materials provided there is 800mm width, provided there is 430mm left clear for the passage men or 600mm if barrows are used. Toe-board must be fitted in conjunction with all guard-rails, a minimum height of 150mm. Only suitable access ladders for scaffolding are to be used which comply with all safety requirements. Home-made ladders are forbidden to be used on scaffolding and must be remove immediately. Should the Contractor strike any of his scaffolding before ascertaining whether it is required by any Sub-Contractor or Public undertaking, he must re-erect it if so required at his own remove immediately. Should the Contractor strike any of his scaffolding before ascertaining whether it is required by any Sub-Contractor or Public undertaking, he must re-erect it if so required at his own expense. The design and construction of scaffolding and staging must comply with all safety requirements according to Safety, Health and Environment National Authority (SHENA), "Guidelines For The Safe Use Of Scaffolding", Ref No.: IGN 01/2020 Rev 2. Provide for any modification and/or re-erection to the foregoing or scaffolding which may become necessary.		
B2/22.8.1	<u>To provide scaffolding according to site condition required. Scaffolding methodology to be used on site firstly must be submitted to O.I.C / S.O for approval before installation to be carried out.</u>		
B2/22.8.1.1	tubular mobile scaffolding	Time	\$ 150.00
B2/22.8.1.2	A or H frame/tubular pipe scaffolding	m3	\$ 4.00



FINAL SUMMARY



Item No.	Description	Unit	Rate
	With reference to the stated Schedule of Rates, we / I hereby confirmed that we / I agreed to carry out all / or part of the above-mentioned works as may be ordered from time to time up to the maximum value of B\$50,000.00 (Brunei Dollars Fifty Thousand only) at: *Plus (+) / minus (-) _____ percent of the stated Schedule of Rates. (In words, _____ percent of the stated Schedule of Rates.) This percentage would be carried forward to the "BBDP CONTRACT AGREEMENT, TERMS & CONDITION FOR QUOTATION WORKS 2023, KHEU2023-15.25-2 NOV, Page FC/1". We / I also agreed to carry out and complete all the stated work within the contract period of TWELVE (12) MONTHS subject to any shortening or extension as decided by the Superintendent Officer and agreed by the contractor. (NB: If none stated then it would be liable to disqualification of Tender)		



APPENDIX



[illegible]

TANDATANGAN PEMBORONG / SIGNATURE OF TENDERER :

TARIKH / DATE : _____



SENARAI JUMLAH TENAGA MANUSIA YANG AKAN DISERTAKAN UNTUK MEMBUAT PROJEK INI (JIKA BERJAYA)

Proposed Manpower Allocation and Additional Labour Quota Required (If Successful):

Bil. No.	Nama Jawatan Name of Posts	Jumlah Tenaga Manusia Total Manpower
	Jumlah Total	

Jumlah quota buruh yang masih ada:

No. of labour quota still available (from table Appendix 3):

Jumlah quota buruh yang dikehendaki:

No. of labour quota required:

Tandatangan Saksi:

Signature of Witness:

Tarikh:

Date :



Tandatangan Saksi:

Signature of Witness:

Tarikh:

Date : _____

SENARAI PERALATAN YANG AKAN DIGUNAKAN UNTUK PEKERJAAN INI (JIKA BERJAYA)*Proposed List of Equipment To Be Used For This Job (If Successful):*

Bil. No.	Jenis Type	Kuantiti Quantity	No. Modal Model No.	Kapasiti Capacity	Remarks

Tandatangan Saksi:*Signature of Witness:***Tandatangan Saksi:***Signature of Witness:***Tarikh:***Date :***Tarikh:***Date :*

SENARAI PEKERJAAN YANG AKAN DI SUB-KONTRAK
Proposed List of Jobs To Be Sub-Contracted:

Bil. No.	Kerja Works	Kepada To	Remarks

Tandatangan Saksi:

Signature of Witness:

Tarikh:

Date :

Tandatangan Saksi:

Signature of Witness:

Tarikh:

Date :



AP/6

SURAT PENGESAHAN

**PENENDER/PEMBORONG/KONTRAKTOR/PENGUSAHA/PEMBEKAL
MEMILIKI 'BUSINESS PREMISE' / PREMISE PERNIAGAAN**

Nama Syarikat: _____

Alamat Premise Perniagaan: _____

Pos Kod: _____

Telefon Pejabat / Premis Perniagaan: _____

Faks Pejabat / Premis Perniagaan: _____

Telefon Bimbit: _____

BIL.	NAMA PEMILIK SYARIKAT	BIL. KAD PENGENALAN	WARNA	BANGSA

Nama Pengurus: _____

Bil. Kad Pinar: _____ Warna: _____ Telefon: _____

Sukacita memaklumkan bahawa segala keterangan di atas adalah benar.

(_____)

Tarikh: _____

COP SYARIKAT



Rujukan:

Kepada,

Ketua Bahagian Bangunan dan Pemeliharaan

Kementerian Hal Ehwal Ugama

Negara Brunei Darussalam

(U.P : Bahagian Penyelaras Projek (PPP))

Tuan/Puan

PER: Borang Pengakuan Kesanggupan Pembekal

Sukacita membuat pengesahan perakuan yang syarikat saya, _____

Bersetuju untuk membuat pembekalan barang / perkakas / perkhidmatan sebagaimana dalam

Tawaran / sebut harga bilangan : _____

Tarikh: _____

(Pemilik Syarikat / CEO / Pengarah)

COP SYARIKAT

Pengesahan Penerima Jabatan:		
Tarikh Penerima Pebekalan		
(Hendaklah Mengikuti seperti yang telah		
dijanjikan di dalam borang dokumen		
Sebut harga / kebenaran)		

Perhatian:

Borang asal perakuan hendaklah dihantar bersama-sama dengan "Purchase Order"(P.O) and invoice

Arahan:

Borang yang siap disikan oleh pembekal yang diluluskan hendaklah disertakan bersama-sama dengan "Purchase Order"(P.O) dan invoice apabila tuntutan penyelesaian pembayaran dibuat.



SITE VISIT DECLARATION FORM
(Tenderer's Confirmation of Visit Project Site)

Quotation No. : KHEU / BDP / 164 / 012 / 2026

Project Title : TERM CONTRACT FOR MAINTENANCE AND EMERGENCY WORKS TO PUSAT DAKWAH ISLAMIAH BUILDINGS AND COMPUND AREA IN FOUR (04) DISTRICT, MINISTRY OF RELIGIOUS AFFAIRS, NEGARA BRUNEI DARUSSALAM.

Name of Tenderer : _____

Date of Site Visit : _____ Time : _____ AM / PM

I/We hereby confirmed that I/We have:-

- ☐ Visited the site.
- ☐ A clear understanding on the nature and scope of works.
- ☐ Anticipated the constraints/restriction, etc. of the work site.
- ☐ Acknowledge the requirements to submit working drawing/any related works in quotation submission.
- ☐ The Tenderer inquiries (please specify, if any):

Note:

☐ Please attached this Form A together with the quotation submission

Company's Stamp

Tenderer's Signature : _____

Tenderer's Name : _____

Date : _____

Site Visit attendance:

No.	Name	Organisation	Contact No.	Signature
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

SV/1

