	Description
	GENERAL NOTES
1)	The Contractor shall refer to the specification which forms an integral part of the Contract Documents.
2)	The Contract Documents are mutually explanatory and the prices inserted against any items in the Breakdown Cost for the Works shall be deemed to cover the complete requirement of the Contract Document.
3)	The description given for any item herein are not intended as complete description of the items but merely to identify amounts for progress payments only. Details of the various items are shown and or decribed in the Contract Document and Contract Drawings.
4)	The Contractor shall not insert any quantities and rates in this section other than those specifically stated/requested in this document.
5)	The items listed may not be complete to achieve the stated requiremets, the Contractor shall propose additional items where deemed necessary.
6)	The Contractor shall submit an itemised breakdown of his tender in respect of the work. The breakdown is only for guidance and assistance in the evaluation of the tender as a whole. The Contractor shall take note that any item not included but described, or to be inferred from the Specification/Drawings shall be deemed to be included in his tender and no claims arising out of this matter shall be entertained.
7)	Contractor shall allow for mockup samples where required.
8)	This section shall be read in conjunction with Drawings, Specification, Preambles to Work Sections, Preliminaries and all other Documents.
9)	The Contractor is advised to visit the site and fully aquaint himself as to the nature, extent and practicality of the Works.
10)	The Contractor shall provide all necessary protective measures and make good any damage to existing retained/adjacent buildings/pavement, drainage, roads, etc. during the execution of the Works to the satisfaction of the S.O.
11)	In the event the work is disrupted/discontinued, all exposed hacking and unsealed joints shall be adequately protected to prevent water seepage.
12)	The cost for lean concrete and hardcore shall include for providing any thickness in excess of the stated minimum thickness which the Contractor deems necessary due to adverse soil conditions.

	Description
	GENERAL NOTES (Cont'd)
1:	3) The Tender Sum shall be deemed to be complete and inclusive of all works, whether permanent or temporary, and materials indispensably necessary for the satisfactory completion of works as inferred from the Drawings and/or described in the Specifications and the preliminaries.
14	4) Should any discrepancy or divergence occur in/or between any of the Tender Documents as to the precise extent or nature of the works to be carried out by the Contractor, the Contractor shall immediately give notice in writing of the same to the Architect so that clarification can be sorted out prior to the award of the Tender. Otherwise, the Tender Sum shall be deemed complete to extent or nature as interpreted by the SO and no claim for extra payment will be entertained.
1	5) This is lump sum tender based on the tender drawings, specifications and the other tender documents. All description of works shown on these works sections are for information and indicative only and shall have no contractual effect. The contractor shall make reference to the drawings and specifications to determine the scope of works and carry out his own measurement for the purpose of preparing his own pricing. In the event of discrepancies between specifications/drawing and the items in the work sections, the specification and drawings shall take precedence. In the event of discrepancies between the tender drawings and the specifications, the requirements shown on the drawing or stated in the specification with the higher standard or more stringent shall take precedence.
16	6) The Contractor shall assume full responsibility for any damage to cables, services pipes and the like during the progress of the works.
17	7) The following items are not fully descriptive in themselves or meant to limit the scope of the works. The Contractor shall fully determine for himself the full scope of each item and price accordingly. No claim will be entertained from the Contractor concerning any lack of knowledge on his part in pricing of these items.
18	3) All lump sum items shall be priced and inclusive of all ancillary and other works, material and expenditure, whether permanent of temporary, which will be either indispensably necessary in any event to complete the works described in/or to be inferred from documents taken as a whole, or which may be inference become contingently necessary top overcome difficulties and bring the said works to satisfaction completion.
19	9) The quality and quantity if the works shall be that as shown and/or described in the drawings, specifications, preliminaries and other Tender Documents. The Contractor shall give below a breakdown of his quoted price to provide Employer an informed basis upon which to award the contract. The breakdown shall also be used as a guide for the purpose of interim valuations.
20	D) The Contractor shall verify for himself all sizes and dimension stated in the item hereunder and be full responsible for the accuracy of the same.
2	 During carrying out the demolition works, the Contractor is responsible to exercise the greatest care and take adequate precautions to minimize the amount of noise, vibration, dust, rubbish, etc which may disrupt, hamper or inconvience the operations and activities of the surrounding areas.

	Description
	GENERAL NOTES (Cont'd)
22)	If in the opinion of the SO, any Contractor's work activities cause such disturbance or inconvenience as aforementioned, the Contractor shall be required to effect corrective measures forthwith at his own expense to the SO satisfaction.
23)	No claim for extra costs shall be entertained if cutting away and making good is necessary consequential to Contractor's negligence.
24)	Where new works are required to be connected with existing works, prices shall be deemed to include for hacking to form keys, cutting, toothing and bonding, priming existing concrete or brick components, etc. with two coats of approved epoxy primer.
25)	Prices are to include for making good of all works disturb and preparing surface to receive new finishes.
26)	The contractor shall assume full responsibility for any damage to cables, services pipe and the like during the progress of the works.
27)	The Contractor shall study the drawings, specifications and the entire Tender Documents to familarise himself with the extent and scope of work and shall be deemed to have visited the site and made the necessary site measurements and checked the existing site conditions with the objectives of fully satisfying himself as to full extent, character, associated work and the nature of the works. No claim whatsoever is allowed for the breach of this clause.
28)	Should any of the items to demolished be of a credit to the Employer, the contractor shall insert a negative sign (-) before the sum.
29)	The Contractor shall prepared a programme, method statement and demolition proposal for the works and submit to the Architect/Engineer for his approval prior to commencement of works.
30)	The Contractor shall take all precautions and make necessary arrangements to ascertain and confirm the exact and position of the existing services line prior to the commencement of the works and subject to Architect approval.
31)	The Contractor is to note that the design and construction of all necessary temporary works in connection with the demolition works must comply with the requirements of the relevant authorities.
32)	The Contractor is to pay for all costs and charges for the necessary employment by him of a registered Professional Engineer (P.E.) for the preparation of the design, drawings, etc. for any temporary works for submissions to the relevant authorities for approval.
33)	The contractor shall pay all fees, costs and charges in connection with such submission to the relevant authorities for obtaining all necessary approvals, especially approval for the commencement and certification on completion of such temporary works.
34)	The Contractor shall indemnify the Employer against any claim whatsoever arising out of defective or improperly constructed temporary works.

Description				
	GENERAL NOTES (Cont'd)			
35)	Unless otherwise specifically stated on this section, the following shall be deemed to be included with all items:-			
а	Labour and all cots in connection therewith;			
b	Use of plant and all cost in connection therewith;			
С	All necessary protection, shoring, needling, strutting, staging, scaffolding, screens, etc and any other temporary works required in connection therewith;			
d	All necessary precaution to ensure no damage is caused to adjacent structures, public or private drains, kerbs, etc and making of all works disturbed;			
е	Taking into consideration any restrictions which the Traffic Police and/or any other relevant Governmental Authorities may impose due to the location of the site and the amount of materials and spoil to be removed from the works.			
f	Executing the whole of the works in confined spaces, sections and stages as and when directed by the Architect.			
g	Cleaning and stacking materials which the Contractor may require for making good;			
h	Making good all works disturbed.			
j	Removing all debris from site.			
k	All other incidental works associated with the completion of the works and;			
m	Taking into consideration any requirement and/or restriction which the relevant Governmental Authorities may impose;			
n	Any other difficulties not mentioned elsewhere in the documents which may be caused by the nature of the site			
р	Establishment charges, overhead charges and profit.			

	Description	Unit	Amount (\$)
	SITE PREPARATION & DEMOLITION WORKS		
Not	te:		
1)	The Contractor will be held to have visited & examined the site & ascertain the nature & extent of the demolition works & satisfied himself as to any contingency liable to affect his Tender, as no claim whatsoever for extra payment in this connection will be entertained.		
2)	The Contractor is to note that no work is to be carried out to the existing building until instructed to do so by the Architect. Prior to commencement of demolition works, the Contractor shall provide the Architect with two (2) sets pf photographs of the existing structures.		
3)	The description of each item of Demolitions & Spot Works will be held to include for all necessary shoring, supports, needles & strutting, removing debris off the site to a dump to be found by the Contractor incl paying all dues & making good all works disturbed & all necessary pretection & storage should items removed be required to be re-used in the Works.		
4)	The Contractor shall also take all necessary precautions to avoid nuisance to occupants of existing building during progress of work & shall allow where necessary for multiple handling.		
5)	Unless otherwise indicated in the drawings, where existing beams are hacked for connection to new work, the steel reinforcement bars shall be exposed, cleaned & treated as directed by the Architect. The length to be exposed shall be 45 times the bar.		
6)	Where existing concrete work are to be connected to new concrete work, the joints between old & fresh conc work shall be adequately roughen to receive fresh conc & shall be accordingly provided by the Contractor in his Tender Sum.		
7)	The Contractor is to refer to the Tender Drawings to determine the nature & Scope of works, involved as well as conditions under which the demolition & alteration works is to be executed.		
+	To Collection		

	Description	Unit	Amount (\$)
	SITE PREPARATION & DEMOLITION WORKS (Cont'd)		
	SITE PREPARATION		
	Site Clearance		
A	Taking over the site and clear all the debris, grasses, shrubs, bushes, undergrowth, secondary jungle and the like including cutting down or protect existing tree of all sizes and grubbing up roots and clearing away from site and preparing site for preliminary earthworks.	Sum	
	Excavation and Backfilling		
В	Excavate over site and/or backfilling from existing ground level to required Platform Level as specified in drawings, including get out, part return, fill in and ram, deposit surplus excavated earth at approved location on site or cart away as directed by Engineer.	Sum	
	DEMOLITION WORKS		
	Works Prior to Demolition Works		
С	The Constractor shall protect all services such as electrical and telephone lines, water pipes, sewerage pipes, gas pipes, cable networks and etc, serving or passing through the site adn service other properties. All existing sewer mains and manholes shall be properly protected and all branch sewer from the buildings to be demolished shall be properly sealed off by a registered plumber unless otherwise specified.	Sum	
	Demolition Works		
D	Demolition of the existing concrete structures and services, etc., including disconnecting and permanently sealing off all services within the site, removing all debris off site and leave clean and tidy upon completion, to the full extent as specified and demarcated in the Drawings.	Sum	
E	Existing external elements such as wall, driveway, aprons, kerbs and etc. as specified.	Sum	
	To Collection		

	Description	Unit	Amount (\$)
	SITE PREPARATION & DEMOLITION WORKS (Cont'd)		
	DEMOLITION WORKS (CONT'D)		
	Instrumentation and Monitoring Works		
A	Provide, install and remove upon completion, all instrumentation and monitoring works as specified; provide all labour, qualified personnel for monitoring and submitting weekly readings of the instruments for the whole duration of the contract period as specified.	Sum	
	Shoring and Temporary Works		
В	Provide, maintain all necessary shoring, strutting and other forms of support deemed necessary and also take all other necesary precautions or adopt such experties as may be necessary to preserve the stability of existing building structures and all other properties including that of adjoining owners that may in any way be endangered or affected by the works to be executed.	Sum	
	Others		
	Other not specified above but included, described or to be inferred from the drawings and specifications:		
	i)		
	ii)		
	iii)		
	iv)		
	v)		
	To Collection		

Description	Unit	Amount (\$)
SITE PREPARATION & DEMOLITION WORKS		
COLLECTION		
3.1/1		
3.1/2		
3.1/3		
Т. О		
To Summary		

ltem	Description	Unit	Amount (\$)
	BUILDING WORKS		
	SUBSTRUCTURE		
	General Notes		
1	Generally, the scope of works for Substructure element has been defined as all structural elements in contact with earth/soil including those vertical elements up to the soffit of 1st storey suspended beams and slabs.		
2	Before commencement of any excavation, the Contractor shall submit a survey plan of the site showing spot levels of the existing ground levels in 10.00 m grids. The survey plan must be endorsed by a registered Land Surveyor.		
3	The Contractor shall be deemed to have visited and examined the site carefully and to have ascertained the nature and kind of materials to be excavated and provisions must be made in the prices to cover for the types of materials to be excavated.		
4	All excavations are deemed to include for part backfilling, removing surplus excavated spoil off site and all necessary planking and strutting.		
5	All lean concrete and hardcore shall include thickness in excess of the stated minimum thickness which the Contractor deems necessary due to adverse soil conditions.		
	To Collection		

ltem	Description	Unit	Amount (\$)
	SUBSTRUCTURE (Cont'd)		
	Excavation for slab include backfilling and disposal of surplus excavated material off site; commencing from Platform level; average depth of;		
А	Raft Foundation/ Ground slabs/ Non Suspended Slab	Sum	
в	Strip Footing	Sum	
с	Abutment wall with footing	Sum	
	Excavate all pits or trenches including excavate around footing and confined areas, backfilling and disposal of excavated material off site for:		
D	Weight scale pit and the like	Sum	
	Dewatering		
Е	Keep the site and whole of the excavation free from storm and percolating water by pumping, bailing or otherwise.	Sum	
	Surface Treatment		
F	Anti-termite soil treatment (Stainless Steel mesh system) to soil in contact with the building structure as specified.	Sum	
	Hardcore and Blinding		
G	Hardcore bed spread, levelled and well consolidated according Engineer specification to receive concrete.	Sum	
	Moisture \ Vapour Barrier Membrane		
н	Moisture \ Vapour barrier laid to sides or underside of concrete structure.	Sum	
	Lean concrete to underside of;		
J	Raft Foundation/ Ground slabs/ Non Suspended Slab	Sum	
к	Strip Footing	Sum	
L	Abutment wall with footing	Sum	
	To Collection		

ltem	Description	Unit	Amount (\$)
	SUBSTRUCTURE (Cont'd)		
	Reinforced In-situ Concrete Work		
	Vibrated reinforced concrete as specified in:		
А	Raft Foundation/ Ground slabs/ Non Suspended Slab	Sum	
в	Bondek slab and the like	Sum	
С	Strip Footing	Sum	
D	Abutment wall with footing	Sum	
Е	Weight scale pit and the like	Sum	
F	Plint	Sum	
	High tensile steel rod reinforcement / Steel Fabric reinforcement:		
G	Raft Foundation/ Ground slabs/ Non Suspended Slab	Sum	
н	Bondek slab and the like	Sum	
I	Strip Footing	Sum	
J	Abutment wall with footing	Sum	
L	Weight scale pit and the like	Sum	
М	Plint	Sum	
	Sawn formwork; plane surfaces as specified to;		
Ν	Raft Foundation/ Ground slabs/ Non Suspended Slab	Sum	
0	Strip Footing	Sum	
Ρ	Abutment wall with footing	Sum	
R	Weight scale pit and the like	Sum	
S	Plint	Sum	
т	Metal formwork for bondek slab	Sum	
	To Collection		

ltem		Description	Unit	Amount (\$)
		SUBSTRUCTURE (Cont'd)		
		Asphalt Pavement		
A		Construction of asphalt pavement comprising of subgrade, subbase, base course, asphaltic base course and asphaltic wearing course.	Sum	
		Precast Concrete Element		
		General Notes		
		Rates to include the following as specified:		
	1	All sizes and dimension of precast concrete elements shall be confirmed on site before production and no claim whatsoever arising for this lack of size and dimension co-ordination shall be entertained.		
	2	The Contractor shall submit shop drawing of precast concrete elements to Architect for approval before work is executed.		
	3	All rates set against each shall be deemed to include reinforcement, dowel bar, forming of pockets, chases and recesses, delivery, unloading, storage, hoisting, erection, fixing, temporary erection gear and working platform, police escort service and all everything else neccessary for completed the works.		
		Design, supply, install, fabricate and deliver the following precast concrete elements including PE endorsement, reinforcements, moulds, formwork stacking, hoisting, setting, labour and materials for jointing, testing accessories and protection, etc as specified:		
в		Precast concrete beam as shown in the drawing.	Sum	
		<u>Others</u>		
С		Other not specified above but included, described or to be inferred from the drawings and specifications:		
	1)		Sum	
	2)		Sum	
	3)		Sum	
	4)		Sum	
	5)		Sum	
		To Collection		

ltem	Description	Unit	Amount (\$)
	Office		
A	Galvanish structural steel column complete with paint finish as show in the drawings	Sum	
В	Glavanish structural steel roof frame complete with paint finish as shown in the drawings.	Sum	
С	Metal roof complete with insulation as shown in the drawings	Sum	
	Shed		
D	Construction of shed comprising of galvanish structure steel column & roof structure frame complete with paint finish, metal roof complete with insulation as shown in the drawings.	Sum	
E	<u>Elevation (Wall Supporting Logo)</u> Construction of wall supporting logo including footing, RC wall, RC stiffeners, lintels, bricks, plastering and paint finishes.	Sum	
	METAL WORKS		
F	Vehicle impact guard heavy duty galvanish steel railing as shown in the drawings: Type 1	Sum	
G	Type 2	Sum	
н	75 x 75 x 6mm thick angle bar to weight scale pit.	Sum	
I	Galvanish steel vehicle height limit gantry (Strip footing measured separately) as shown in the drawings.	Sum	
J	1.8m high removable chainlink fence (to be provide after completion of works) comprising of chainlink gate	Sum	
	<u>Others</u>		
К	Other not specified above but included, described or to be inferred from the drawings and specifications:		
	1)	Sum	
	2)	Sum	
	3)	Sum	
	4)	Sum	
	5)	Sum	
	To Collection		

ltem	Description	Unit	Amount (\$)
	WALLS		
А	Brick laid in cement mortar (1:4) with approved plasticiser and mesh reinforcement at every fourth course	Sum	
	FLOOR FINISHES		
в	Cement & sand screed trowelled smooth to floor.	Sum	
с	Supply and apply heavy duty floor hardener to surface of floor as per specified.	Sum	
D	Cement and sand (1:3) to receive floor finish (measured separately) to floor.	Sum	
Е	Heavy duty Ceramic/Homogeneous tile bedded & jointed adhesive backing screed (measured separately) & pointed in matching colour cement laid to floor.	Sum	
F	Floor marking as shown in the drawings	Sum	
	WATERPROOFING SYSTEM		
G	Cement and sand protective screed as specified.	Sum	
н	Designated waterproofing system to pit including dressing up to walls, plinths, kerbs and the like and working around pipe services, etc as specified.	Sum	
	<u>Others</u>		
I	Other not specified above but included, described or to be inferred from the drawings and specifications:		
1		Sum	
2		Sum	
3		Sum	
4		Sum	
5		Sum	
	To Collection		

Item	Description	Unit	Amount (\$)
	CEILING FINISHES		
А	Mineral board ceiling complete with support.	Sum	
	Painter		
В	Prepare and apply painting system; comprising of one coat of resisting wall sealer, and two coats of emulsion paint on surfaces of concrete soffits, sides & soffit of beams.	Sum	
	<u>Others</u>		
с	Other not specified above but included, described or to be inferred from the drawings and specifications:		
	1)	Sum	
	2)	Sum	
	3)	Sum	
	4)	Sum	
	5)	Sum	
	To Collection		

ltem	Description	Unit	Amount (\$)
	WALL FINISHES		
	Internal Wall Finishes		
A	Cement sand plaster render with an approved plasticiser finished with a steel trowel to wall and column.	Sum	
В	Prepare & apply painting system on plastered surfaces of Walls, columns & the like.	Sum	
	External Wall Finishes		
С	Cement and sand plastering with an approved plasticiser finished with a wood float to wall and column	Sum	
D	Prepare & apply painting system; to exterior wall finish on plastered surfaces to wall column	Sum	
	<u>Others</u>		
Е	Other not specified above but included, described or to be inferred from the drawings and specifications:		
	1)	Sum	
	2)	Sum	
	3)	Sum	
	4)	Sum	
	5)	Sum	
	To Collection		

ltem	Description	Unit	Amount (\$)
	DOORS		
	Concrete Work		
А	Reinforced concrete lintols and the like.	Sum	
	IRONMONGERIES		
в	Supply and install ironmongery as specified	Sum	
	TIMBER DOOR		
С	Supply and install fire rated metal swing doors complete with metal door framing, finishes and all necessary accessories as shown in drawing.	Sum	
	<u>Others</u>		
D	Other not specified above but included, described or to be inferred from the drawings and specifications:		
	1)	Sum	
	2)	Sum	
	3)	Sum	
	4)	Sum	
	5)	Sum	
	To Collection		

Item	Description	Unit	Amount (\$)
	ALUMINIUM WORKS		
	Concrete Work		
А	Reinforced concrete lintols and the like.	Sum	
	Aluminium Windows		
В	Supply and install powder coated finishes aluminium sliding windows with complete with all accessories and ironmongery, Type SW.	Sum	
	<u>Others</u>		
С	Other not specified above but included, described or to be inferred from the drawings and specifications:		
	1)	Sum	
	2)	Sum	
	3)	Sum	
	4)	Sum	
	5)	Sum	
	To Collection		

ltem	Description	Unit	Amount (\$)
	FITMENTS, FITTINGS AND FIXTURES		
	Furniture		
А	Working table as shown in the drawings	Sum	
в	Chairs	Sum	
С	Counter ledge	Sum	
D	Movable storage cabinet	Sum	
	Fire Fighting		
Е	9kg (70B) AB fire extinguishers with PSB label as shown in the drawing.	Sum	
F	<u>Signage</u> 2.2m high fire engine access post signage		
G	Fire engine access signage		
н	Extinguisher sign	Sum	
I	Sign for "NO ACCESS EXCEPT FOR FIRE ENGINE ACCESS ONLY".	Sum	
J	Sign for Office		
к	Sign for "Turn on thr inlet valve before running out the hose"		
L	Sign for "30 Tonnes Fire Engine Accessway Keep Clear"	Sum	
М	SATS light box logo sign	Sum	
Ν	Powder coated aluminium box sign " CargoTransshipment Centre 2".	Sum	
	<u>Others</u>		
Ρ	Other not specified above but included, described or to be inferred from the drawings and specifications:		
	1)	Sum	
	2)	Sum	
	3)	Sum	
	4)	Sum	
:	5)	Sum	
	To Collection		

ltem	Description	Unit	Amount (\$)
	EXTERNAL AND ANCILLARY WORKS		
A	Surface Water Channels, Sumps and the like Existing drain to be backfill as shown in the drawing	Sum	
в	Reinforced concrete (RC) drains/sump including excavation works, hardcore, lean concrete, bakau pile, concrete, reinforcement, formwork, concrete benchings, channel, weephole, filtering material etc. 750 x 1200mm new box drain	Sum	
с	1350 x 3500 x 2200 deep new sump	Sum	
D	600mm wide new RC drain	Sum	
Е	300mm wide new RC drain	Sum	
F	600mm wide existing RC drain to be demolished and 600mm wide RC box culvert with intermediate gratings to be constructed.	Sum	
G	Approved gratings / covers including angle frames as specified.	Sum	
н	Inspection Chamber Part of the inspection chamber to be hack for extention of existing wall of existing inspection chamber	Sum	
J	<u>Fence</u> Supply and install BRC weld fence with and including post and footings.	Sum	
к	Plastic Water Barrier Supply and fix the plastic water barrier	Sum	
L	<u>Jet Blast Fence</u> Retaining wall for jet blast fence	Sum	
М	Jet blast fence complete with structure steel post as shown in the drawing	Sum	
Ν	Vehicle impact guard rail as shown in the drawings	Sum	
Р	Landscaping Works Turfing work with approved soil mixture	Sum	
Q	<u>Others</u> Other not specified above but included, described or to be inferred from the drawings and specifications:		
1)	Sum	
2	?)	Sum	
З	3)	Sum	
4	·)	Sum	
5	i)	Sum	
	To Collection		

Item	Description	Unit	Amount (\$)
	BUILDING WORKS		
	3.2/1		
	3.2/2		
	3.2/3		
	3.2/4		
	3.2/5		
	3.2/6		
	3.2/7		
	3.2/8		
	3.2/9		
	3.2/10		
	3.2/11		
	3.2/12		
	т	o Summary	

0.00 SCHEDULE OF WORKS SUMMARY

ltem	Description	Page Ref.	Amount (\$)
	SUMMARY		
3.1	SITE PREPARATION & DEMOLITION WORKS	3.1/4	
3.2	BUILDING WORKS	3.2/13	
	TO GENERAL SUMM	ARY	