

TDM PLANTATION SDN BHD

**CADANGAN PEMBINAAN PEJABAT DAN MAKMAL PEMROSESAN BIJI BENIH
SAWIT TDMP**

SUMMARY OF TENDER

ITEM	DESCRIPTION	AMOUNT (RM)
1.0	BILL A - PRELIMINARIES & GENERAL CONDITION	
2.0	BILL B - DEMOLITION & SITE CLEARANCE	
3.0	BILL C - BUILDING WORKS	
4.0	BILL D - ELECTRICAL WORKS	
5.0	BILL E - MECHANICAL WORKS	
TOTAL AMOUNT CARRIED TO FORM OF TENDER		

RINGGIT MALAYSIA :

.....

COMPLETION PERIOD :

.....

.....

Signature of Tenderer :

Signature of Witness :

Name in full :.....

Name in Full :.....

Occupation :.....

Occupation :.....

Address :

Address :.....

.....

.....

.....

.....

Date :.....

Date :.....

Verified by:

Verified by:.....

SCHEDULE NO. 1 PRELIMENARIES AND GENERAL CONDITIONS

Item	Description	Unit	Quantity	Rate	Amount(RM)
A	<u>Contractor's Plan</u> Mobilisation and demobilisation of all labour, plant and equipment including erection, dismantling, transportation to and from Site for the execution of the whole execution of the Works.	Sum		L.S	
B	<u>Construction Plan</u> The Contractor shall submit to the S.O. for his approval the following as : a) Contractor's Organization Chart b) Programme of Works c) Schedules	Sum		L.S	
C	<u>Temporary Water and Power Supplies for The Work</u> The Contractor shall provide adequate power and water supplies for the execution of the works including paying all associated costs and fees as specified.	Sum		L.S	
D	<u>Care and Protection of Materials and Works</u> The Contractor shall provide and maintain everything necessary for proper protection of materials and Works from any damage by weather.	Sum		L.S	
E	<u>Clearing, Cleaning and Making Good on Completion</u> The Contractor shall clear and clean the Works at the site area from any debris, etc. and make good all damages upon completion as specified.	Sum		L.S	
Carried to Collection					

SCHEDULE NO. 1 PRELIMENARIES AND GENERAL CONDITIONS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>Form of Contract</u>				
A	<u>Clause No. 15</u> Insurance Against Personal Injures and Damages To Property	Sum		L.S	
B	<u>Clause No. 16</u> Indemnities to Government in Respect of Claim By Workmen				
C	<u>Clause No. 17</u> Employee's Social Security, Act, 1969	Sum		L.S	
D	<u>Clause No. 18</u> Insurance of Works	Sum		L.S	
E	<u>Clause No. 22</u> Design, Sub Clause No. 22.2 – Design Guarantee Bond	Sum		L.S	
F	<u>To obtain approval from the Local Authorities:</u> a) Majlis Daerah Setiu (MDS) b) Indah Water Konsortium (IWK) c) Tenaga Nasional Berhad (TNB) d) Syarikat Air Terengganu (SATU) e) any relevant authorities				
G	To obtain Certificate of Completion and Compliance (CCC)	Sum		L.S	
Carried to Collection					

SCHEDULE NO. 1 PRELIMENARIES AND GENERAL CONDITIONS

	Collection	Amount
1	PAGE BQ A - 1	
2	PAGE BQ A - 2	
TOTAL FOR SCHEDULE NO. 1 CARRIED TO SUMMARY OF TENDER		

SCHEDULE NO. 2 - DEMOLITION AND SITE CLEARANCE

Item	Description	Unit	Quantity	Rate	Amount(RM)
A	<p><u>Site Clearance</u></p> <p>Site clearing of all trees of various girth including grubbing up roots, shrubs, bushes, etc and depositing site.</p>	Sum		L.S	
B	<p><u>Earthworks</u> <u>Cut and Fill</u></p> <p>Cut, Fill and compact from existing ground level and slope including preparation of surfaces, trim to required level, split level, well rolled, consolidated, remove top soil and deposit in spoil heap within the site as directed by the engineer</p>	Sum		L.S	
C	<p><u>Demolition</u></p> <p>Demolish, dismantling or destroying building structures along with the materials used in the construction of the property such as, but not limited to: walls, windows, piping, roof, trusses etc. using Non-explosive method such as pneumatic tools, sledge hammer and/or other specialized equipment subject to drawing and S.O's approval on sizes etc.</p> <p>All fences, buildings, structures, and encumbrances of any character within the limits of the limits of the Works, except those to be removed by others or designated to remain, shall be demolished and removed by the Contractor.</p> <p>Materials designated in the Contract or directed by the S.O. to be salvaged, shall be carefully removed and stored, and shall be the property of TDMP.</p> <p>Any damages due to the demolition act will be borne by the contractor</p>	Sum		L.S	
TOTAL FOR SCHEDULE NO.2 CARRIED TO SUMMARY OF TENDER					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 1 - WORK BELOW LOWEST FLOOR FINISH</u>				
	<u>Excavate oversite to reduce level, commencing from formation level, deposit and spread in making up levels were directed within the site and remainder load and cart away to contractor's own dump site</u>				
A	Maximum depth not exceeding 0.25m deep	M2	531		
	<u>Excavate commencing from reduce level, deposit and spread in making up levels were directed within the site and remainder load and cart away</u>				
B	Pit for maximum depth not exceeding 1.50m deep	M3	28		
	<u>Hardcore as described, spread, levelled and well rammed and consolidated, watered and blinded with fine sand, well rolled in and finishes</u>				
C	150mm thick under raft foundation	M2	456		
	<u>Reinforced concrete Grade 25 as described</u>				
D	To raft foundation	M3	93		
	<u>Mild steel reinforcement bar as described</u>				
E	6mm dia. as links in column stump	kg.	2		
	<u>High tensile steel reinforcement bar as described</u>				
	<u>Column footing</u>				
F	12mm dia.	kg.	186		
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 1 - WORK BELOW LOWEST FLOOR FINISH</u> (Cont'd)				
	<u>Layer of steel reinforcement to MS*: 145 2014 as described (Ref No. A7 weighing not less 3.02kg/m²) well lapped at joints and embedded (measured nett-no allowance made for laps)</u>				
A	Ground Slab <u>Sawn formwork as described</u>	M2	912		
B	Sides of raft foundation -----	M2	22		
C	Prepare and apply a layer of 0.25mm thick polythene sheet well lapped at joints as specified (measured nett - no allowance made for laps) underground slab (measured separately)	M2	531		
D	Approved termiticide chemical treatment applied strictly in accordance to the manufacturer's recommendation and instruction prior to the pouring of concrete for foundations, ground floor slab and ground beam including Guarantee against any termite attack to the Works for a period of two (2) years from the date of Practical Completion of the works to the approval of the S.O	M2	531		
	<u>Apron slab</u> <u>Reinforced concrete grade 25 as described</u>				
E	100mm thick to apron slab	M2	157		
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<p><u>ELEMENT NO. 1 - WORK BELOW LOWEST FLOOR FINISH</u> (Cont'd)</p> <p><u>Layer of steel reinforcement to MS*: 145 2014 as described (Ref No. A7 weighing not less 3.02kg/m²) well lapped at joints and embedded (measured nett-no allowance made for laps)</u></p> <p>A Apron slab</p> <p><u>Perimeter drain</u></p> <p>B 225mm dia. Half round 75mm thick including excavation and make good to the approval of the S. O.</p>	<p>M2</p> <p>M</p>	<p>157</p> <p>108</p>		
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

	Collection	Amount
1	PAGE BQ C - 6	
2	PAGE BQ C - 7	
3	PAGE BQ C - 8	
TOTAL ELEMENT NO. 1 CARRIED TO SUMMARY OF BUILDING WORKS		

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 2 - FRAME</u>				
	<u>Reinforced concrete Grade 25 as described</u>				
A	Column	M3	4		
B	Roof beam	M3	12		
	<u>Mild steel reinforcement bar as described</u>				
C	6mm dia. As link in column	kg.	136		
D	6mm ditto in roof beam	kg.	256		
	<u>High tensile steel reinforcement bar as described</u>				
E	12mm dia. In column	kg.	574		
F	12mm dia. In beam	kg.	784		
	<u>Sawn formwork as described</u>				
G	Sides of column	M2	146		
H	Sides and soffit of roof beam	M2	226		
TOTAL ELEMENT NO. 2 CARRIED TO SUMMARY OF BUILDING WORKS					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<p><u>ELEMENT NO. 3 - ROOF</u></p> <p><u>TENDERER PROPOSED PROPRIETARY LIGHT WEIGHT STEEL ROOF TRUSS SYSTEM</u></p> <p>The tenderer shall design, fabricate and deliver on site and furnish at his expense all necessary materials, tools, hoists, staging, temporary bracing, etc. for the safe and proper erection of the fabricated light weight steel complete with rafter, top and bottom chords, ties, struts, bearers, wall plates, packing pieces, steel truss connectors, straps, mild steel holding bolts, battens and other associated and obvious item required for the works all to the satisfaction of the S.O.</p> <p>The design of light weight steel roof trusses shall be by an approved manufacturer of fabricated roof trusses. The light weight steel roof trusses shall be designed all in accordance with the specification Architect's/Engineer's drawing. The Contractor shall note that the light weight steel roof trusses shall be design to suit the roof covering, ceiling, aircond duct, piping, wiring trays, etc. In the case where the roof trusses are designed at with the and centres which does not suit or facilitate the fixing of the ceiling, the Contractor shall include in his design of the roof trusses for any additional bearers, tie beams, ceiling joist, etc required to facilities the ceiling panels. The Contractor shall deem to have thoroughly acquainted himself with this requirement and allow for such additional cost due to extra members required as no claim on this will be entertained</p> <p>The Contractor shall note that he shall be solely responsible for the adequacy and sufficiency of the roof trusses and members provided for the ceiling panels</p>				
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
<p>A</p> <p>B</p> <p>C</p>	<p><u>ELEMENT NO. 3 - ROOF</u> (Cont'd) <u>TENDERER PROPOSED PROPRIETARY LIGHT WEIGHT STEEL ROOF TRUSS SYSTEM</u> (Cont'd)</p> <p>The Contractor shall provide a written guarantee from the Manufacturer for a period of twenty-five (25) years and as approved by the S.O. from the date of practical completion to cover against faulty materials workmanship, installation and other defect or design fault, hereby all failure or fabricated light weight steel roof trusses system in the whole or in part to be rectified at no cost</p> <p>Rates to include</p> <p>Rates for light weight steel roof trusses and rafters shall include for all necessary materials, approved three (3) layers of anti-corrosion coating, fabrications, delivery to site, hoisting and fixing in position, all fixing accessories including mild steel holding downs bolts or ram setting, all ancillary works and temporary works for the complete installation of the trusses. Rate for the light weight steel trusses shall also include for design fees and all necessary cost for pattern right design, trademark or name. The design of the whole roof truss system shall be properly examined and certified by a PROFESSIONAL STRUCTURAL ENGINEER.</p> <p>The Contractor is required to produce and submit to the S.O. the certified proposed drawings together with his Tender Document and if accepted thereafter to submit not less than two (2) sets certified working and as-built drawings during and after construction</p>	<p>Item</p> <p>Item</p> <p>Item</p>			
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
A	<p><u>ELEMENT NO. 3 - ROOF</u> (Cont'd)</p> <p>Design, supply, fabricate and deliver to site including fixing and hoisting in position approved type patented proprietary light weight steel roof trusses roof structural system from approved roof Manufacturer and installer including all steel roof truss, rafter, chord, bearers, tie, strut, packing piece, truss, connector, straps, tie rod, purlin, painting and other associated works, material and labour required for the complete installation of the fabricated light weight steel roof trusses to the approval of the Engineer's approximately 6.87m height from ground level</p> <p><u>Roof Covering</u></p>	LS			
B	<p>Supply labour, materials, transport, tools and all necessary equipment to lay and fix approved corrugated asbestos roofing sheet and c/w accessories etc ridges gable ends, capping as per drawing and specifications</p> <p><u>Fascia board</u></p>	LS			
C	<p>230mm x 7.5mm thick fascia board</p>	m	137		
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

	Collection	Amount
1	PAGE BQ C - 11	
2	PAGE BQ C - 12	
3	PAGE BQ C - 13	
TOTAL ELEMENT NO. 3 CARRIED TO SUMMARY OF BUILDING WORKS		

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 4 - EXTERNAL WALL</u>				
	<u>Brickwall in cement bricks in composition mortar (1:3) as described reinforced with and including brick reinforcement as described</u>				
A	114mm thick brickwall	M2	492		
B	Horizontal damp proof course as described laid on half brickwall lapped at joints and junction (measured nett-no allowance made for laps)	M	158		
C	Supply and fix tempered glass as wall estimated size 5700mm x 3450mm high x 12mm thick complete with U-Channel frame and necessary accessories to manufacturer's detail to S.O's approval.	M2	20		
TOTAL ELEMENT NO. 4 CARRIED TO SUMMARY OF BUILDING WORKS					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 5 - INTERNAL WALL</u>				
	<u>Brickwall in cement bricks in composition mortar (1:3) as described reinforced with and including brick reinforcement as described</u>				
A	114mm thick brickwall	M2	241		
	<u>Gypsum board 12mm with metal stud including all necessary fittings as partition wall as per drawing, manufacturer's instruction and S. O's approval</u>				
B	12mm gypsum board (both sides)	M2	135		
C	Horizontal damp proof course as described laid on half brickwall lapped at joints and junction (measured nett-no allowance made for laps)	M	71		
TOTAL ELEMENT NO. 5 CARRIED TO SUMMARY OF BUILDING WORKS					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 6 - WINDOWS</u>				
A	Reinforced concrete Grade 25 as described lintol	M3	1		
B	10mm Dia. High tensile bar reinforcement as described in lintol	kg.	53		
C	Sawn formwork as described to sides and soffit of lintol	M2	13		
	<u>Supply, deliver to site and fix the following white coloured anodised aluminium windows as described infilled with glass including all necessary frames, transome, mullions, glazing materials, glazing beads, fixing screws, security bar, ironmongeries, painting and accessories to manufacturer's detail and S.O's approval</u>				
D	Casement window overall size 1200mm x 1650mm high comprising of two (2) nos fixed equal panel top glass windows size 600mm x 450mm high for each panel and two (2) nos equal panel casement windows size 600mm x 1200mm high for each panel including 5mm thick clear glass as described and glazing to aluminium frame (Type W1)	No.	8		
E	Ditto size 1800mm x 1650mm high comprising of three (3) nos fixed equal panel top glass windows size 600mm x 450mm high for each panel and three (3) nos equal panel casement windows size 600mm x 1200mm high for each panel including 5mm thick clear glass as described and glazing to aluminium frame (Type W2)	No.	16		
F	Top hung window overall size 600mm x 450mm high including 5mm thick clear glass as described and glazing to aluminium frame(Type HW)	No.	11		
G	Top hung window overall size 1200mm x 450mm high comprising of 2 nos equal panel size 600mm x 450mm high for each panel including 5mm thick clear glass as described and glazing to aluminium frame(Type HW2)	No.	1		
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
<u>ELEMENT NO. 6 - WINDOWS (Cont'd)</u>					
A	Fixed window panel to gypsum board overall size 1000mm x 1000mm high including 5mm thick clear glass as described and glazing to aluminium frame(Type W3)	No.	9		
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

	Collection	Amount
1	PAGE BQ C - 17	
2	PAGE BQ C - 18	
TOTAL ELEMENT NO. 6 CARRIED TO SUMMARY OF BUILDING WORKS		

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 7 - DOORS</u>				
A	Reinforced concrete Grade 25 as described lintol	M3	1		
B	10mm Dia. High tensile bar reinforcement as described in lintol	KG.	48		
C	Sawn formwork as described to sides and soffit of lintol	M2	12		
	<u>Supply, deliver to site and install approved 1.00mm thick galvanized iron door frame in standard frame profile including cornices and special wire brick and/or bracket cushioning rubber buffers, rust proof cadmium-plated on stainless steel hinges, and fixing screws and ironmongeries including all necessary cement and sand (1:3) mortar infill, painting and accessories to manufacturer's detail and S.O's approval</u>				
D	1800mm x 2550mm high for double leaf solid timber door (Type D1)	No.	3		
E	900mm x 2550mm high for single leaf solid timber door (Type D2)	No.	9		
F	900mm x 2100mm high for single leaf plywood door (Type D3)	No.	3		
G	750mm x 2100mm high for single leaf pvc door (Type TD)	No.	7		
H	1800mm x 2100mm high for glass sliding door (Type SD)	No.	1		
J	900mm x 2100mm high for single leaf pvc door (Type TD)	No.	9		
				
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	ELEMENT NO. 7 - DOOR (Cont'd)				
A	Supply, deliver to site and install 38mm thick solid timber door overall size 1800mm x 2550mm high comprising of two (2) nos fixed equal panel top glass size 900mm x 450mm high for each panel and one double leaf solid timber door size 1800mm x 2100mm high as described (Type D1)	No.	3		
B	Supply, deliver to site and install 38mm thick solid timber door overall size 900mm x 2550mm high comprising of one (1) nos fixed equal panel top glass size 900mm x 450mm high and one single leaf solid timber door size 900mm x 2100mm high as described (Type D2)	No.	9		
C	Supply, deliver to site and install 33mm thick plywood door overall size 900mm x 2100mm high (Type D3)	No.	3		
D	Supply, deliver to site and install 33mm thick PVC door overall size 750mm x 2100mm high (Type TD)	No.	7		
E	Supply, deliver to site and install double door sliding glass door overall size 1800mm x 2100mm high comprising of two (2) nos sliding door size 900mm x 2100mm high complete with 5mm thick clear glass as described and glazing to aluminium frame and all necessary fittings as described (Type SD)	No.	1		
F	Supply, deliver to site and install single leaf glass door overall size 900mm x 2100mm high (Type TD)	No.	9		
G	<u>Supply and fix the following ironmongeries including all necessary matching screws and all accordance to manufacturer's detail and Architect's drawing to S.O's approval</u>				
H	Approved handle with plate or other equal with other accessories to S.O's approval	No.	3		
J	Cylindrical lockset 5871-SS or other equal and approved with other approved with other accessories or equivalent to S.O approval	No.	28		
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 7 - DOOR</u> (Cont'd)				
A	Allow for Grand Master Key System for the lockset specified and hand over upon completion as instructed by the S.O	Item	-		
B	Knotting, stopping and apply one coat primer one undercoat and two finishing coats gloss enamel paint as described on general surfaces of woodworks	M2	89		
C	Prepare and apply one undercoat alkyd-based rust preventing primer and two finishing coats of gloss enamel paint as described on general surfaces of steel works	M2	17		
	<u>Roller shutter</u>				
E	Supply and fix roller shutter to main entrance to manufacturer's detail to S.O's approval.	L.S			
	<u>Glass Door</u>				
F	Supply and fix tempered glass as double leaf door overall size 1800mm x 1200mm high x 12mm thick complete with U-Channel frame and necessary accessories to manufacturer's detail to S.O's approval.	No.	1		
Carried to Collection					

SCHEDULE NO. 3 - BUILDING WORKS

	Collection	Amount
1	PAGE BQ C - 20	
2	PAGE BQ C - 21	
3	PAGE BQ C - 22	
TOTAL ELEMENT NO. 7 CARRIED TO SUMMARY OF BUILDING WORKS		

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 8 - INTERNAL WALL FINISHES</u>				
	<u>Cement and sand (1:6) mixed with an approved plasticiser as described plainface to</u>				
A	18mm thick to half brickwall, column and beam 	M2	518		
B	16mm thick backing screed to receive homogenous wall tiles (measured separately) to walls and columns	M2	76		
C	300mm x 300mm x 6mm thick homogenous wall tiles laid in colour and pattern by the S.O bedded and jointed in cement mortar (1:3) and pointed in coloured cement on the backing screed (measured separately) to walls and columns	M2	76		
D	Prepare and apply one coat of alkali resisting primer sealer and two coats emulsion paint as described to plastered wall, column and beam. (Brand: JOTUN)	M2	518		
TOTAL ELEMENT NO. 8 CARRIED TO SUMMARY OF BUILDING WORKS					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 9 - INTERNAL FLOOR FINISHES</u>				
	<u>Cement and sand (1:3) as described</u>				
A	25mm thick paving trowelled smooth to floor	M2	424		
B	13mm thick screed to receive non slip homogenous tiles	M2	32		
				
D	300mm x 300mm x 6mm thick non slip homogenous wall tiles laid in colour and pattern by the S.O bedded and jointed in cement mortar (1:3) and pointed in coloured cement on the backing screed (measured separately) to walls and columns	M2	32		
	<u>Half round clay</u>				
E	Supply and install half round clay drainage to seed soaking area room	L.S			
TOTAL ELEMENT NO. 9 CARRIED TO SUMMARY OF BUILDING WORKS					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
<u>ELEMENT NO. 10 - CEILING FINISHES</u>					
<u>Internal ceiling finishes</u>					
A	Supply and install 12mm acoustic mineral fiber ceiling board including exposed natural-anodised aluminium tee in grid 600mm x 1200mm including galvanized hanger wire, and other fittings deemed necessary to be completed by the S.O	M2	456		
TOTAL ELEMENT NO. 10 CARRIED TO SUMMARY OF BUILDING WORKS					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
<u>ELEMENT NO. 11 - EXTERNAL FINISHES</u>					
<u>Floor</u>					
	<u>Cement and sand (1:3) as described</u>				
A	25mm thick paving trowelled smooth to floor	M2	82		
<u>Wall</u>					
	<u>Cement and sand (1:6) mixed with an approved plasticiser as described plainface and/or shera wood planks or equivalent to described area to</u>				
B	18mm thick to brickwall, column and beam	M2	930		
<u>Ceiling</u>					
	<u>External ceiling finishes</u>				
C	1220mm x 1220mm cellulose fibre reinforced cement ceiling board including timber beading and joist set out symmetrically from centre of each room laid open jointed with 3mm gap in between panels and painting works all as per detail drawing and specifications	M2	157		
	<u>Cement and sand (1:3) as described</u>				
D	13mm thick screed to receive non slip homogenous tiles 	M2	75		
E	300mm x 300mm x 6mm thick non slip homogenous wall tiles laid in colour and pattern by the S.O bedded and jointed in cement mortar (1:3) and pointed in coloured cement on the backing screed (measured separately) to walls and columns	M2	75		
TOTAL ELEMENT NO. 11 CARRIED TO SUMMARY OF BUILDING WORKS					

SCHEDULE NO. 3 - BUILDING WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<u>ELEMENT NO. 12 - SANITARY FITTINGS</u>				
	Supply and fix the following sanitary fittings and accessories including storing, assembling, bedding, plugging and screwing with matching screws, cutting and pinning and building in brackets jointing and connecting to services and to soil and waste pipes and making good all work disturbed (Note : All fittings to be approved brands of the S.O to match with design and finish)				
	<u>Pedestal Water Closet (Sitted)</u>				
A	Approved white colour-mid level wash down pedestal water closet with 4-6liter handle pvc cistern and other accessories.	No.	7		
	<u>Sink</u>				
B	Supply and install stainless steel single bowl and single drainer basin or other equal and approved complete with other accessories	No.	3		
C	Supply and install stainless steel double bowl and double drainer basin or other equal and approved complete with other accessories	No.	1		
	<u>Floor Trap</u>				
D	DOE FT 150SS - 201 150mm x 150mm PVC floor trap cover or other equal and approved (FT)	No.	10		
	<u>Tap for water closet and washing counter</u>				
E	Approved stainless steel hand bidet complete with angle valve with holder or other equal and approval	No.	17		
	<u>Stop Cock</u>				
F	Approved type stop cock	No.	12		
	<u>Pillar tab (sink)</u>				
G	Pillar tab with accessories	No.	5		
TOTAL ELEMENT NO. 12 CARRIED TO SUMMARY OF BUILDING WORKS					

SCHEDULE NO. 3 - BUILDING WORKS

	Collection	Amount
1	ELEMENT NO. 1 - WBLFF	
2	ELEMENT NO. 2 - FRAME	
3	ELEMENT NO. 3 - ROOF	
4	ELEMENT NO. 4 - EXTERNAL WALL	
5	ELEMENT NO. 5 - INTERNAL WALL	
6	ELEMENT NO. 6 - WINDOWS	
7	ELEMENT NO. 7 - DOOR	
8	ELEMENT NO. 8 - INTERNAL WALL FINISHES	
9	ELEMENT NO. 9 - INTERNAL FLOOR FINISHES	
10	ELEMENT NO. 10 - INTERNAL CEILING FINISHES	
11	ELEMENT NO. 11 - EXTERNAL FINISHES	
12	ELEMENT NO. 12 - SANITARY FITTINGS	
TOTAL SCHEDULE NO. 3 CARRIED TO SUMMARY OF TENDER		

SCHEDULE NO. 4 - MECHANICAL AND ELECTRICAL WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<p>Contractor to carry out testing and commissioning of electrical, telephone, lighting, earthing and other installation including setting of protection relay and training to the end user as and when required by engineer and local authorities. Cost for testing shall be borne by the contractor. Shop drawing shall be provided by the contractor if deemed necessary.</p> <p>All item such as, but not limited to position, numbers etc. for electrical works shall refer drawing for construction on-site.</p> <p>All item shall be SIRIM certified & subject to S.O's approval</p>				
A	Supply and installation of wall mounted 3-PHASE DB c/w incoming switch fuse, outgoing MCBs, tripping unit, sub main cabling and other necessary accessories.	Sum		L.S	
B	Supply and install the light and fan fitting as follows:- 220mm LED 18w round downlight lamp c/w fittings as per drawing subject to S. O's approval	No.	130		
C	1500 dia. Ceiling fan c/w hook, safety wire rope and all other accessories	No.	8		
D	Supply and install flush switch socket outlet complete with upvc junction box as per drawing subject to S.O's approval: 1/2/3/4 - gang one way	Sum		L.S	
E	1 gang 13A	Sum		L.S	
F	1 gang 15A	Sum		L.S	
G	Supply and Installation of Lighting point using SIRIM & approved 2 x 1.5mm ² IC PVC copper cable c/w earth wire in concealed conduit	Sum		L.S	
H	Supply and Installation of Socket point using SIRIM & approved 2 x 2.5mm ² IC PVC copper cable c/w earth wire in concealed conduit to 1 x 13A flush switch socket outlet.	Sum		L.S	
Carried to Collection					

SCHEDULE NO. 4 - MECHANICAL AND ELECTRICAL WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
A	Supply and Installation of Socket point using SIRIM & approved 2 x 4.0mm ² IC PVC copper cable c/w earth wire in concealed conduit to 1 x 15A flush switch socket outlet.	Sum		L.S	
B	Supply and Installation of Socket point using SIRIM & approved 4 x 6.0mm ² + E IC PVC copper cable c/w earth wire in concealed conduit	Sum		L.S	
C	Supply and Installation of approved air conditioner 2.0HP R410/32 GAS including all accessory deemed necessary to the S.O to Cool Room	No.	2		
D	Supply and Installation of approved air conditioner 2.0HP R410/32 GAS including all accessory deemed necessary to the S.O to Meeting Room	No.	1		
	<p align="center">.....</p> <p><u>Air Cooled Ducted Single Skin, anti corrosion fin coated (there site coating) including condensor unit, digital thermostat with external sensor, wiring and earthing system, refrigerant insulation, brackets, secondary drain pan, waste pipe, truncking pvc for the refrigerant, connection to ducting (ducting to be included), switch boards and other accessories necessary as described and to S.O's approval</u></p>				
E	5HP (45,000 Btu/Hr) - Split ducted unit (ceiling cassette) to Working Space & Seed Sorting	Nos	1		
F	3HP (34,100 Btu/Hr) - Split ducted unit (ceiling cassette) to AAD Field Staff Working Space	Nos	2		
	<p align="center">.....</p>				
G	Approved exhaust fan 10" to toilet complete with switch and wiring as described	Nos	1		
Carried to Collection					

SCHEDULE NO. 4 - MECHANICAL AND ELECTRICAL WORKS

Item	Description	Unit	Quantity	Rate	Amount (RM)
	<p><u>Earthing</u></p> <p><u>To supply, install, testing and commissioning the earthing system as per specification</u></p> <p>A The complete Earthing System for DB's complete with Earthing termination panel, copper jacketed steel core earth electrode, earth chamber with cover and etc. as perspecification, drawing & S. O's approval</p> <p>B Supply and install 16" wall fan complete with wiring and switches to manufacturer's detail and S. O's approval</p>	Sum	3	L.S	
Carried to Collection					

SCHEDULE NO. 4 - MECHANICAL AND ELECTRICAL WORKS

	Collection	Amount
1	PAGE BQ D - 32	
2	PAGE BQ D - 33	
3	PAGE BQ D - 34	
TOTAL SCHEDULE NO. 4 CARRIED TO SUMMARY OF TENDER		0.00

NO. 5 - MECHANICAL WORKS

Item	Description	Unit	Quantity	Rate	Amount(RM)
	<p><u>Cold Water Plumbing Services</u></p> <p>Contractor to carry out testing the foregoing cold water sanitary plumbing installation including sanitary fittings, make good any defect and leave the whole of the installation in perfect working order to the satisfaction of the S.O and Local Authorities. Cost for testing shall be borne by the contractor. Shop drawing shall be provided by the contractor if deemed necessary. All item shall be SIRIM certified & subject to S.O's approval</p>				
	<p><u>Pipes and Fittings</u></p> <p>Contractor shall propose piping system including but not limited to, the systems, pipe sizes, fittings, brand etc. including taking into considerations for various installations, either buried underground, chased in wall or slabs, fixed to wall or soffit of slabs or beams etc. (Subject to S.O's approval)</p>				
A	<p>Pipes tap from nearest water sourcing from water meter (direct connection) to the outlets in the unit inclusive of elbows, tees, reducers, stop cock, valve and all related fittings. Joints shall be done with manufacturers approved method. Pipes shall be fixed to horizontal and vertical surfaces with approved fittings, or buried underground, all in accordance with the specifications and manufacturers instruction.</p>	Sum		L.S	
	<p><u>Sanitary Services</u></p> <p><u>Mainhole/Inspection Chamber</u></p>				
B	<p>The manhole/inspection chamber shall be constructed using brickwall and concrete base and top. Scope of work shall include all concreting work for breaching laid to slope to suit all main and bransh channels or suspended civer slab and base. In addition, all foamwork necessary, reinforcements or any temporary boxing required are deemed included.</p>	Sum		L.S	
	<p><u>Sundries</u></p>				
C	<p>Countertop estimated 8400mm, 3500mm, 1500mm x 800mmwidth, including finishes 25mm thick paving trowelled smooth to surface with degree as per drawing and specifications</p>	Sum		L.S	
Carried to Collection					

NO. 5 - MECHANICAL WORKS

Item	Description	Unit	Quantity	Rate	Amount(RM)
	<u>Soil, Waste and Vent Pipe</u>				
A	Approved unplasticized polyvinyl chloride (uPVC and MuPVC) pipes and fitting to BS4514 and BS5255 jointed with manufacturer's approval solvent cement and fixed to horizontal and vertical surfaces including chase in wall and slabs or fixed to the walls or soffit of slabs or beams, with approved fixing all in accordance with the specifications and manufacturer's instructions and as indicated in the drawings.	Sum		L.S	
	<u>Water Storage Tank</u>				
	<u>To supply and install Poly Water Storage Tank as specified complete with cover holes for overflow and scour pip, inlet pipe, outlet pipe, ball valve and other necessary works to manufacturer's specification and S.O's approval</u>				
B	Capacity : 200 gal.	No.	3		
C	Capacity : 500 gal.	No.	1		
	<u>Septic Tank</u>				
	<u>Supply and install polyethylene (PE) septic tank as specified complete with necessary fittings & works including excavation works (brand to be approved by S.O)</u>				
D	Septic tank : Population Equivalent (P.E) 12	No.	1		
E	Supply and fix culvert as overflow chamber to drawing's detail and S.O's approval.	No.	15		
TOTAL FOR SCHEDULE NO.4 CARRIED TO SUMMARY OF TENDER					

NO. 5 - MECHANICAL WORKS

	Collection	Amount
1	PAGE BQ C - 1	
2	PAGE BQ C - 2	
TOTAL FOR SCHEDULE NO. 5 CARRIED TO SUMMARY OF TENDER		