

MINUTES OF THE PREBID MEETING

Balance Work of the Norris Canal Development Project

Meeting Date: 05.10.2023

Time: 10.30 am

Balance Work of the Norris Canal Development Project

MINUTES OF THE PREBID MEETING

Date: 05th October 2023

Venue: Director Eng. (Water Supply & Drainage) Room, Water Supply and Drainage Division, Maligakanda

Present:

Eng. R.A.T.P. Ranawaka	- Director Eng. (Water Supply & Drainage), CMC
Eng. N.D. Wijethilaka	- Deputy Director Eng. (Drainage Design)
Eng. C. Illukkumbura	- Engineer (Drainage Design), CMC
Eng. S.I. Madumali	- Engineer (Construction), CMC
Mrs. J.A.N.P.Nirmala	- Accountant (PHD), CMC
Mr. D.H.S.Maduranga	- Technical Officer, CMC
Mrs. S.C. Panagoda	- MSO (Projects), CMC
Mr. K.D.Dilan Jayawardhana	- QS, Asset Engineering (pvt) Ltd

Matters Discussed

Item No	Quarry	Organization	Answer
01	Quarry regarding the specialty of the Bidder.	Asset Engineering (pvt) Ltd	Requested Specialty of the Contractor is "Storm Water Disposal and Land Drainage"

Balance Work of the Norris Canal Development Project

Addendum

BOQ is changed and presented at Pre-Bid meeting. New BOQ is attached as Addendum which should be replaced with addendum.

MUNICIPAL ENGINEER'S DEPARTMENT
COLOMBO MUNICIPAL COUNCIL

BALANCE WORK OF THE NORRIS CANAL DEVELOPMENT PROJECT					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Bill No 01				
1.0	Preliminaries				
1.1	Provisional sum for providing Performance security.	Provisional sum			140,480.00
1.2	Provisional sum for providing an Advance Payment security.	Provisional sum			561,920.00
1.3	Provisional sum for insurance of the works, Machinery & equipment, Plant, Materials, third party persons & property and Employer's personnel & property at site as per contract.	Provisional sum			379,290.00
1.4	Provisional sum for insurance of against accident and injury to contractor's personnel as per th contract..	Provisional sum			300,000.00
1.5	Aggreement fee	Provisional sum			842,880.00
	Contractor's Facilities				
1.6	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, a temporary site office of adequate size including staff rest roomand toilets and other facilities for the contractor's site management staff in accordance with the plans prepared by the Contractor and concurred by the Engineer.	Item			
1.7	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, building to be used as workshops and stores for perishable materials. Buildings shall be costructed in accordance with the drawing prepared by the Contractor and concurred by the Engineer.The lump sum shall also include for altering, modifyng or dismantling and re-erecting within the site all temporary buildings/stuctures if required.	Item			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.8	<p>Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, temporary building to in accordance with the plans prepared by the Contractor and concurred by the Engineer to accommodate by the following:</p> <p>a) Workers' rest room, canteen facilities, kitchen</p> <p>b) Toilet & wash areas.</p> <p>c) Sick/First - Aid room</p> <p>d) Accomadation for Contractor's staff and workmen including sanitary facilities on site of applicable.</p> <p>Facilities to workmen shall conform to the latest public health and industrial regulation.</p>	Item			
1.9	Allow lump sum for providing Accomadation including sanitary facilities and transport Contractor's staff and workment off site.	Item			
1.1	Allow lump sum for providing telephone and facsimile facilities, electricity and water services for the contractor's site office for their use in connection with the works.	Item			
1.11	Allow lump sum for maintenance, rental, consumption charges etc. for telephone and facsimile facilities, electricity and water services for the contractor's site office for their use in connection with the works.	Item			
1.11	Allow lump sum for contractor's transport facilities at site.	Item			
	<u>SETTING OUT</u>				
1.12	Allow lump sum for employing a licensed land surveyor to define the bulding site work stc.,check levels and carry out such other surveys as may be necessary to establish accurately the placing of forms and pouring of concrete and all other setting out in both vertical and horizontal plane.	Item			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.13	Allow lump sum for setting out of works in accordance with drawing and other written information given by the Engineer. <u>QUALITY, STANDARDS & PROGRESS</u>	Item			
1.14	Allow Lump sum for provision of progress report photographic record and other schedules including in the ICTAD publication-Guideline for Effective Construction Management. (ICTAD/CM/01), relevant to contract administration as directed by the Engineer.	Item			
1.15	Allow lump sum for all cost in connection with preparing samples for testing, making arrangement for testing of materials, goods etc, as stipulated in the specification, obtaining test reports and submitting the same to the Engineer.	Item			
1.16	Allow lump sum for provision of shop drawings, bar schedules etc.for Engineer's approval.	Item			
1.17	Allow lump sum for provision of 2 sets of (hard copies and soft copies) as-built drawings of all services, for Engineer's approval. <u>Health, Safety & Environment</u>	Item			
1.18	Allow lump sum for following services throughout the period of construction for Engineer's office, contractor's site office and worker's rest room and other facilities; a) Employing Workmen to clean and maintain all areas to be in good hygienic conditions including toilets, wash areas, kitchen etc. rest room, canteen facilities, kitchen b) Supplying adequate drinking water, water for washing purposes, soap, detergent, etc. throughout the period of construction.	Item			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.19	Allow Lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulation and as directed by the Engineer.	Item			
1.20	Allow Lump sum for making adequate provision against air and noise pollution of surrounding areas. Hoarding and dust screens shall be provided to control dust escaping to surrounding areas.	Item			
1.21	Allow Lump sum for maintaining the site in a clean and orderly manner at all times and during the entire contract period.	Item			
1.22	Allow Lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving all in good order and handing over.	Item			
1.23	Allow Lump sum for employing an adequate number of security personnel and security system on full time basis throughout the period of construction, and provide for necessary security lighting and a warning system.	Item			
1.24	Allow lump sum for providing and maintaining necessary fencing, hoarding, and gates for safeguarding the works, materials and plant as directed by the Engineer.	Item			
1.25	Allow lump sum for protection of public and private services at site. The contractor shall take due care to protect, water supply and drainage systems, telephone and overhead/buried electrical cables etc. whose location are identified and made available to the bidder at the time of bidding, unless earmarked for demolition, during the execution of the works. the contractor is to make good any cause within his control at his own expense or pay any cost and charges in connection therewith.	Item			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.26	Allow lump sum for supply of water for the works and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and reticulation.	Item			
1.27	Allow lump sum for supplying temporary electricity for the works including connection, distribution system for the works, internal arrangements and all payments to the authorities for consumption.	Item			
1.28	Allow lump sum for providing hoisting equipment and other plant for the use of the works on site(dry hire).	Item			
1.29	Allow lump sum for providing small machinery and equipment for the use of the works at site.	Item			
1.30	Allow lump sum for erecting and maintaining scaffolding and/or self climbing platforms. Such scaffolding etc. shall be removed on completion and all works disturbed shall be made good.				
1.31	Allow lump sum for stamp duty in accordance with the prevailing regulations of the Government.	Item			
1.32	Allow lump sum for providing and maintaining a name board to the specifications and/or directed by the Engineer.	Item			
1.33	Allow lump sum for excavation for trial pits/trial trenches as specified or as directed by the engineer as for location services etc. and reinstating the ground and making good disturbed work to the satisfaction of the Engineer.	Item			
1.34	allow lump sum for safety net for demolishing building A,B as per engineers' instruction . (see the annex)	Provisional sum			925,000.00
<u>Total Preliminaries carried over to summary</u>					

MUNICIPAL ENGINEERS' DEPARTMENT

COLOMBO MUNICIPAL COUNCIL

BALANCE WORK OF THE NORRIS CANAL DEVELOPMENT PROJECT

PROJECT NO: ME/DR/OTH/ST/04/2023

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
1.0	Bill No - 1 Preliminaries Note:- 1.All the items below, rate included for supplying of materials. 2.Prior to do the pricing the contractor is advised to do detail inspection of site. Note : Road cutting permit should be taken by the contractor from the central road maintenance unit (CRMU) of CMC	Item	Allow	Sum		7,024,570.00
2.1	<u>TEMPORARY REINSTATEMENT</u> Removing of asphalt paved surface and temporary reinstate dealing with all existing utility service (ABC/CRSI)	m ²	756.00	4,370.00		3,303,720.00
2.2	<u>ASPHALT CUTTING</u> cutting asphalt layer using asphalt cutter at both side of trench width and other sides as required at site condition , according to requirement of works/CRMU division of colombo municipal council .	Lm	140.00	768.00		107,520.00
2.3	<u>PERMANENT REINSTATEMENT</u> Permanent reinstatement of damaged asphalt area	provisional sum				14,028,000.00
2.4	<u>RCC BOX CULVERT (Pre-Cast)</u> Item shall include 18 piece pre-cast Concrete sections Loading, Unloading, Laying and Transporting (From Thotala Junction to the Site) and excavation in trenches, preparation of surfaces, removal of excess earth ,form work ,backfilling and compaction with suitable available or imported material by 150 mm thick compacted layers.(Shoring will be paid separately)					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
2.4.1	3600mmX 1900mm internal width RCC Box culvert including 100mm screed with 1:3:6(1") cement concrete , 500mm ABC layer and Contruaction Joints to be filled by construction Grout (construction method will be depend on contractor's interest)					
2.4.1.1	invert depth upto 4.25m	Lm	17.00	201,800.00	3,430,600.00	
2.5	<u>RCC BOX CULVERT (Insitu Concrete)</u>					
	Item shall include excavation in trenches, preparation of surfaces, removal of excess earth ,form work ,backfilling and compaction with suitable available or imported material by 150 mm thick compacted layers.(Shoring will be paid seperatly)					
2.5.1	3600mmX 1900mm internal width RCC Box culvert including 100mm screed with 1:3:6(1") cement concrete, 350mm thick base, wall and slab with 1:1 1/2:3 (20mm) concrete ,Double reinforced & 500mm ABC layer as per the detail Drawing.(construction method will be depend on contractor's interest) (precast or insitu concrete)					
2.5.1.1	invert depth upto 3.5m	Lm	58.00	627,980.00	36,422,840.00	
2.5.2	3600mmX 1900mm internal width RCC Box culvert including 100mm screed with 1:3:6(1") cement concrete, 350mm thick base, wall and slab with 1:1 1/2:3 (20mm) concrete ,Double reinforced & 500mm ABC layer as per the detail Drawing.(construction method will be depend on contractor's interest) (precast or insitu concrete)					
2.5.2.1	invert depth upto 4.25m	Lm	52.00	646,810.00	33,634,120.00	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
2.6	<u>SHORING</u> Temporary shoring with steel R.S.J's/Timber plank/steel plate combination; with steel R.S.J's vertically driven at permissible intervals and timber planks or steel sheets inserted between R.S.J's: the R.S.J's shall be driven to an appropriate depth below the final formation of the bottom of excavation to withstand as free-standing cantilevers to hold back the unsupported earth. (shoring designed to carry soil load only)recommendations to suit the specific site requirements and method specification to be submitted before excavation to the Engineer for approval.					
2.6.1	Depth exceeding 2.0m	m ²	1,100.00	19,880.00	21,868,000.00	
2.7	<u>DEWATERING</u> Lower the Ground water level up to 300 mm below the excavated bed during the construction period (Rate include the both sides of the canal)					
2.7.1	dewatering using 4 " dia water pump or any other method approved by the engineer .	hr.	1600.00	2,975.00	4,760,000.00	
2.8	<u>CONNECTION</u>					
2.8.1	Item shall include two connections of proposed storm water culvert for existing storm water drain .	Item	Allow	Sum	1,000,000.00	
2.8.2	protection of other services.(Rate shall include for precautions to these service lines or diverting them and repairs to structures if it is damaged	provisional sum			10,000,000.00	
TOTAL(BILL 02)					128,554,800.00	
3A	Bill No - 3 (DEMOLISHI BUILDING AT NORRISE CHANNEL)					
3A.1	<u>110'X20'5''(33.5mx6.22m), 3 Storied Building</u>					
	<u>Roof works</u>					
3A.1.1	Removing and stacking corrugated cement fibre or asbestos roofing sheet from roof in three storied building.	m ²	220.00	210.00	46,200.00	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3A.1.2	Removing 5"x3"/5"x2" purlings ,stacking at site and clearing debris away in three storied building.	Lm	180.00	210.00		37,800.00
3A.2	<u>2nd Floor</u>					
3A.2.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick,removing reinforcement and clearing debris..	m ³	8.00	25,776.00		206,208.00
3A.2.2	Demolishing reinforcedcement concrete in sunshade upto 4"thick, removing reinforcement and clearing debris.	m ³	1.40	13,884.00		19,437.60
3A.2.3	Demolishing reinforcedcement ,concrete in lintol of 9"x6"removing reinforcement and clearing debris.	Lm	60.00	468.00		28,080.00
3A.2.4	Demolishing reinforcedcement, concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	372.00		1,860.00
3A.2.5	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	75.00	1,680.00		126,000.00
3A.2.6	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ²	25.00	228.00		5,700.00
3A.2.7	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	8.00	464.00		3,712.00
3A.2.8	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	32.00	3,090.00		98,880.00
3A.2.9	Removing and stacking window sash only up to 40 S.ft from existing walls.	Nr	36.00	464.00		16,704.00
3A.2.10	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	3,940.00		7,875.00
3A.2.11	Transporting debris cleare daway from site by tractor trailer including loading(approx.. Dumping up to 3 km).	Load	40.00	3,733.00		149,320.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3A.3	<u>1st Floor</u>					
3A.3.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick, removing reinforcement and clearing debris..	m ³	35.00	23,628.00	826,980.00	
3A.3.2	Demolishing reinforced cement concrete in sunshade upto 4"thick, removing reinforcement and clearing debris.	m ³	1.40	12,727.00	17,817.80	
3A.3.3	Demolishing reinforced cement ,concrete in lintol of 9"x6"removing reinforcement and clearing debris.	Lm	60.00	429.00	25,740.00	
3A.3.4	Demolishing reinforced cement, concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	341.00	1,705.00	
3A.3.5	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	68.00	1,540.00	104,720.00	
3A.3.6	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ²	26.00	209.00	5,434.00	
3A.3.7	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	4.00	464.00	1,856.00	
3A.3.8	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	31.00	3,090.00	95,790.00	
3A.3.9	Removing and stacking window sash only up to 40 S.ft from existing walls.	Nr	21.00	464.00	9,744.00	
3A.3.10	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	7,875.00	7,875.00	
3A.3.11	Transporting debris clear away from site by tractor trailer including loading(approx.. Dumping up to 3 km).	Load	50.00	3,733.00	186,650.00	
3A.4	<u>Ground Floor</u>					
3A.4.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick,removing reinforcement and clearing debris..	m ³	50.00	21,480.00	1,074,000.00	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3A.4.2	Demolishing cement concrete and clearing debris in floors from 4" to 6" thick floors.	m ³	20.00	21,480.00	429,600.00	
3A.4.3	Demolishing reinforced cement concrete in sunshade upto 4" thick, removing reinforcement and clearing debris.	m ³	1.40	9,820.00	13,748.00	
3A.4.4	Demolishing reinforced cement concrete in lintol of 9"x6" removing reinforcement and clearing debris.	Lm	55.00	390.00	21,450.00	
3A.4.5	Demolishing reinforced cement, concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	310.00	1,550.00	
3A.4.6	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	60.00	1,400.00	84,000.00	
3A.4.7	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ²	26.00	190.00	4,940.00	
3A.4.8	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	14.00	464.00	6,496.00	
3A.4.9	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	28.00	3,090.00	86,520.00	
3A.4.10	Removing and stacking window sash only up to 40 S.ft from existing walls.	Nr	21.00	464.00	9,744.00	
3A.4.11	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	7,875.00	7,875.00	
3A.4.12	Demolishing rubble masonry built in cement and sand, stacking rubble and clearing debris away.	m ³	14.00	2,250.00	31,500.00	
3A.4.13	Transporting debris clear away from site by tractor trailer including loading (approx.. Dumping up to 3 km).	Load	62.00	3,733.00	231,446.00	
	Total Carried to the Summary-Demolishig Cost(BILL 03A)				4,034,957.40	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
	<u>Material Cost</u>					
A4.14	asbestos roofing sheet	Nos	55.00	900.00		49,500.00
A4.15	5"x3"/5"x2" purlings	Lm	180.00	350.00		63,000.00
A4.16	door sash	Nos	26.00	750.00		19,500.00
A4.17	door or window frame	Nos	91.00	2,000.00		182,000.00
A4.18	window sash	Nos	78.00	500.00		39,000.00
A4.19	electrical items	Lot	1.00			5,000.00
A4.20	debries for filling land	Lot	1.00			25,000.00
	Total Crried to the Summary-Material Cost					383,000.00
3B	<u>110'X20'5''(33.5mx6.22m), 3 Storied Building</u>					
3.B.1	<u>Roof works</u>					
3B.1.1	Removing and stacking corrugated cement fibre or asbestos roofing sheet from roof in three storied building.	m ²	200.00	210.00		42,000.00
3B.1.2	Removing 5"x3"/5"x2" purlings ,stacking at site and clearing debris away in three storied building.	Lm	160.00	210.00		33,600.00
3.B.2	<u>2nd Floor</u>					
3B.2.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick,removing reinforcement and clearing debris..	m ³	8.00	25,776.00		206,208.00
3B.2.2	Demolishing reinforcedcement concrete in sunshade upto 4"thick, removing reinforcement and clearing debris.	m ³	1.40	13,884.00		19,437.60
3B.2.3	Demolishing reinforcedcement ,concrete in lintol of 9"x6"removing reinforcement and clearing debris.	Lm	60.00	468.00		28,080.00
3B.2.4	Demolishing reinforcedcement, concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	372.00		1,860.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3B.2.5	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	75.00	1,680.00		126,000.00
3B.2.6	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ²	25.00	228.00		5,700.00
3B.2.7	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	8.00	464.00		3,712.00
3B.2.8	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	29.00	3,090.00		89,610.00
3B.2.9	Removing and stacking window sash only up to 40 S.ft from existing walls.	Nr	12.00	464.00		5,568.00
3B.2.10	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	3,940.00		7,875.00
3B.2.11	Transporting debris clear away from site by tractor trailer including loading(approx.. Dumping up to 3 km).	Load	40.00	3,733.00		149,320.00
3B.3	<u>1st Floor</u>					
3B.3.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick, removing reinforcement and clearing debris..	m ³	35.00	23,628.00		826,980.00
3B.3.2	Demolishing reinforced cement concrete in sunshade upto 4"thick, removing reinforcement and clearing debris.	m ³	1.40	12,727.00		17,817.80
3B.3.3	Demolishing reinforced cement ,concrete in lintol of 9"x6"removing reinforcement and clearing debris.	Lm	60.00	429.00		25,740.00
3B.3.4	Demolishing reinforced cement, concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	341.00		1,705.00
3B.3.5	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	68.00	1,540.00		104,720.00
3B.3.6	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ³	26.00	209.00		5,434.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3B.3.7	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	4.00	464.00		1,856.00
3B.3.8	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	29.00	3,090.00		89,610.00
3B.3.9	Removing and stacking window sash only up to 40 S.ft from existing walls.	Nr	1.00	464.00		464.00
3B.3.10	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	7,875.00		7,875.00
3B.3.11	Transporting debris clear away from site by tractor trailer including loading(approx.. Dumping up to 3 km).	Load	50.00	3,733.00		186,650.00
3B.4	<u>Ground Floor</u>					
3B.4.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick,removing reinforcement and clearing debris..	m ³	50.00	21,480.00		1,074,000.00
3B.4.2	Demolishing cement concrete and clearing debris in floors from 4" to 6" thick floors.	m ³	20.00	21,480.00		429,600.00
3B.4.3	Demolishing reinforcedcement concrete in sunshade upto 4"thick, removing reinforcement and clearing debris.	m ³	1.40	9,820.00		13,748.00
3B.4.4	Demolishing reinforcedcement ,concrete in lintol of 9"x6"removing reinforcement and clearing debris.	Lm	55.00	390.00		21,450.00
3B.4.5	Demolishing reinforcedcement, concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	310.00		1,550.00
3B.4.6	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	60.00	1,400.00		84,000.00
3B.4.7	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ²	26.00	19,260.00		500,760.00
3B.4.8	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	2.00	464.00		928.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3B.4.9	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	22.00	3,090.00		67,980.00
3B.4.10	Removing and stacking window sash only up to 40 S.ft from existing walls.	Nr	6.00	464.00		2,784.00
3B.4.11	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	7,875.00		7,875.00
3B.4.12	Demolishing rubble masonry built in cement and sand,stacking rubble and clearing debris away.	m ³	14.00	2,250.00		31,500.00
3B.4.13	Transporting debris clear away from site by tractor trailer including loading(approx.. Dumping up to 3 km).	Load	62.00	3,733.00		231,446.00
	Total Crried to the Summary-Demolishig Cost					4,455,443.40
	<u>Material Cost</u>					
B4.13	asbestos roofing sheet	Nos	50.00	900.00		45,000.00
B4.14	5"x3"/5"x2" purlings	Lm	160.00	350.00		56,000.00
B4.15	door sash	Nos	14.00	750.00		10,500.00
B4.16	door or window frame	Nos	80.00	2,000.00		160,000.00
B4.17	window sash	Nos	47.00	500.00		23,500.00
B4.18	electrical items	Lot	1.00			5,000.00
B4.19	debries for filling land	Lot	1.00			25,000.00
	Total Crried to the Summary-Material Cost					325,000.00
3C	<u>110'X20'5''(33.5mx6.22m), 3 Storied Building</u>					
3C.1	<u>Roof works</u>					
3C.1.1	Removing and stacking corrugated cement fibre or asbestos roofing sheet from roof in three storied building.	m ²	220.00	210.00		46,200.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3C.1.2	Removing 5"x3"/5"x2" purlings ,stacking at site and clearing debris away in three storied building.	Lm	200.00	210.00		42,000.00
3C.2	<u>2nd Floor</u>					
3C.2.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick,removing reinforcement and clearing debris..	m ³	8.00	25,776.00		206,208.00
3C.2.2	Demolishing reinforcedcement concrete in sunshade upto 4"thick, removing reinforcement and clearing debris.	m ³	1.40	13,884.00		19,437.60
3C.2.3	Demolishing reinforcedcement ,concrete in lintol of 9"x6"removing reinforcement and clearing debris.	Lm	60.00	468.00		28,080.00
3C.2.4	Demolishing reinforcedcement, concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	372.00		1,860.00
3C.2.5	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	75.00	1,680.00		126,000.00
3C.2.6	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ²	25.00	228.00		5,700.00
3C.2.7	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	16.00	464.00		7,424.00
3C.2.8	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	32.00	3,090.00		98,880.00
3C.2.9	Removing and stacking window sash only up to 40 S.ft from existing walls.	Nr	48.00	464.00		22,272.00
3C.2.10	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	3,940.00		7,875.00
3C.2.11	Transporting debris cleare daway from site by tractor trailer including loading(approx.. Dumping up to 3 km).	Load	40.00	3,733.00		149,320.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3C.3	<u>1st Floor</u>					
3C.3.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick, removing reinforcement and clearing debris..	m ³	35.00	23,628.00	826,980.00	
3C.3.2	Demolishing reinforcedcement concrete in sunshade upto 4"thick, removing reinforcement and clearing debris.	m ³	1.40	12,727.00	17,817.80	
3C.3.3	Demolishing reinforcedcement ,concrete in lintol of 9"x6"removing reinforcement and clearing debris.	Lm	60.00	429.00	25,740.00	
3C.3.4	Demolishing reinforcedcement, concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	341.00	1,705.00	
3C.3.5	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	68.00	1,540.00	104,720.00	
3C.3.6	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ³	26.00	209.00	5,434.00	
3C.3.7	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	1.00	464.00	464.00	
3C.3.8	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	29.00	3,090.00	89,610.00	
3C.3.9	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	7,875.00	7,875.00	
3C.3.10	Transporting debris cleare daway from site by tractor trailer including loading(approx.. Dumping up to 3 km).	Load	50.00	3,733.00	186,650.00	
3C.4	<u>Ground Floor</u>					
3C.4.1	Demolishing reinforced cement concrete in suspended floors upto 4"thick,removing reinforcement and clearing debris..	m ³	50.00	21,480.00	1,074,000.00	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
3C.4.2	Demolishing cement concrete and clearing debris in floors from 4" to 6" thick floors.	m ³	20.00	21,480.00	429,600.00	
3C.4.3	Demolishing reinforced cement concrete in sunshade upto 4" thick, removing reinforcement and clearing debris.	m ³	1.40	9,820.00	13,748.00	
3C.4.4	Demolishing reinforced cement concrete in lintol of 9"x6" removing reinforcement and clearing debris.	Lm	55.00	390.00	21,450.00	
3C.4.5	Demolishing reinforced cement concrete in lintol of 4 1/2"x6" removing reinforcement and clearing debris.	Lm	5.00	310.00	1,550.00	
3C.4.6	Demolishing 9" thick brick walls stacking brick and clearing debris away.	m ³	60.00	1,400.00	84,000.00	
3C.4.7	Demolishing 4 1/2" thick brick walls stacking brick and clearing debris away.	m ²	26.00	19,260.00	500,760.00	
3C.4.8	Removing and stacking door sash only up to 40 S.ft from existing walls.	Nr	7.00	464.00	3,248.00	
3C.4.9	Removing and stacking door or window frame size up to 40 S.ft from existing walls	Nr	32.00	3,090.00	98,880.00	
3C.4.10	Removing and stacking window sash only up to 40 S.ft from existing walls.	Nr	12.00	464.00	5,568.00	
3C.4.11	Disconnecting and removing Electricity and electrical items without any damages as per Engineers Instructions.	Item	1.00	7,875.00	7,875.00	
3C.4.12	Demolishing rubble masonry built in cement and sand, stacking rubble and clearing debris away.	m ³	14.00	2,250.00	31,500.00	
3C.4.13	Transporting debris clear away from site by tractor trailer including loading (approx.. Dumping up to 3 km).	Load	62.00	3,733.00	231,446.00	
	Total Carried to the Summary-Demolishig Cost				4,531,877.40	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	Rs
	Material Cost					
C4.14	asbestos roofing sheet	Nos	60.00	900.00	54,000.00	
C4.15	5"x3"/5"x2" purlings	Lm	200.00	350.00	70,000.00	
C4.16	door sash	Nos	24.00	750.00	18,000.00	
C4.17	door or window frame	Nos	93.00	2,000.00	186,000.00	
C4.18	window sash	Nos	60.00	500.00	30,000.00	
C4.19	electrical items	Lot	1.00		5,000.00	
C4.20	debries for filling land	Lot	1.00		25,000.00	
	Total Crried to the Summary-Material Cost				388,000.00	

Bill No A-110'X20'(33.5mx6.09m), 3 Storied Building-Demolishing Cost	4,034,957.40
Bill No A-110'X20'(33.5mx6.09m), 3 Storied Building-Materal Cost	(383,000.00)
Bill No B -110'X20'(33.5mx6.09m), 3 Storied Building-Demolishing Cost	4,455,443.40
Bill No B -110'X20'(33.5mx6.09m), 3 Storied Building-Materal Cost	(325,000.00)
Bill No C-110'X20'(33.5mx6.09m), 3 Storied Building-Demolishing Cost	4,531,877.40
Bill No C-110'X20'(33.5mx6.09m), 3 Storied Building-Materal Cost	(388,000.00)
DEMOLISHING NET AMOUNT	11,926,278.20

SUMMARY

Bill No 01	7,024,570.00
Bill No 02	128,554,800.00
Bill No 03	11,926,278.20
Sub Total	147,505,648.20
10% Contingencies	14,750,564.82
20% Price Fluctuation	29,501,129.64
Grand Total	191,757,342.66
Vat 15%	28,763,601.40
PROJECT AMOUNT	220,520,944.06

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Prepared by: R.A.A.Jayamali
Designation : Technical Officer

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Checked by: D.H.S Maduranga
Designation: Technical Officer

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Certified by: Eng.S.P.C.Illukkumbura
Designation: Engineer (Design)

.....
Recommended by: Eng.(Mrs) N.D.Wijethilake
Designation: D.Dir. Eng. Drainage Design

.....
Approval By:Eng. R.A.T.P.Ranawaka
Designation: Director Engineering