

SCHEDULE A

CONSTRUCTION AND REHABILITATION OF RESERVOIRS

Maligakanda Office Building

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-1 : SITE WORKS AND RELOCATION OF SERVICES

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<p>Preliminaries</p> <p>Note:</p> <p>(i) This Bill, quantities are quantified as items. Therefore, the Contractor's rate shall include for the complete execution of the works as depicted in drawings, as specified in specifications and as per site conditions.</p> <p>(ii) For these items, Contractor is not entitle for any other additional payments.</p> <p>(iii) For this relocation of services Contractor has to take extra measure to safeguard and protect the existing services without any damage/disturbance.</p> <p>Relocation of Services</p>								
OB 1 - 1	Allow for existing sewer main abandoned and removal of pipes and manholes as depicted in drawing No. Gen/04 and as directed by the Engineer complete.	Item							
OB 1 - 2	Allow for supplying and laying 150 mm dia. PVC sewer main as depicted in Drawing No., GeN/04. Rate to include for excavation, bedding, manholes, connection to existing manholes etc. as directed by Engineer complete.	Item							
OB 1 - 3	Allow for removal of existing stormwater drain pipe abandoned and removal of pipes and manholes as depicted in drawing No. GEN/04 and as directed by the Engineer complete.	Item							
OB 1 - 4	Allow for existing telephone line cable duct removal and relocation as depicted in drawing GEN/04 and as directed by the Engineer complete.	Item							
	Total of Page A - 1 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

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				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>Demolishing</u>								
OB 1 - 5	Allow for demolishing, existing sluice valve and flowmeter chambers and reconstruction of same as depicted in Drawing No. MK/GR/C/03 and as directed by the Engineer .	Item							
	<u>Site Work</u>								
OB 1 - 6	Allow for clearing of site bushes, scrub, undergrowth, grubbing of roots & cutting down trees girth not exceeding 600mm.	Item							
OB 1 - 7	Allow for cutting and removal of trees , grubbing of roots, of varying girths (600mm to 2740 mm) as depicted in drawing GEN/04 under Stage I and as directed by the Engineer.	Item							
OB 1 - 8	Allow for cutting and removal of trees , grubbing of roots, of varying girths (600mm to 3050 mm) as depicted in drawing GEN/04 under Stage II and as directed by the Engineer.	Item							
	<u>Earth Work</u>								
OB 1 - 9	Allow for stripping 150 mm thick, top soil to an extent of 2000 mm from outer wall of the proposed structure, stockpiling, and reuse of suitable engineering fill disposal of unsuitable and of any surplus excavated material as directed by the Engineer.	Item							
OB 1 - 10	Allow for cutting and forming of earth to grades and disposal surplus excavated earth as directed by Engineer .	Item							
	Total of Page A - 2 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

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BILL NO. MK/OB-1 : SITE WORKS AND RELOCATION OF SERVICES

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 1 - 11	Allow for filling, forming and compacting earth to grades. Rate to include for supplying approved earth if required for filling and compacting. Road Works	item							
OB 1 - 12	Allow for construction of 5000mm wide asphalt internal roads as depicted in Drg. No. MK/GR/C/03 and as specified in Technical Specification.	m	465						
OB 1 - 13	Allow for construction of asphalt drive area at internal roadways as depicted in Drg. No. MK/GR/C/03 and as specified in Technical Specification complete. Electricity	m ²	650						
OB 1 - 14	Allow for Garden and security lighting as depicted in Drawing complete with necessary PVC conduit pipes, wiring, switching, RC lamp posts from the panel Board as specified in the Technical Specification complete. Site Protection	Nr	12						
OB 1 - 15	Allow for construction kerb along sides of roadway and drive area as depicted in Drg. No. MK/GR/C/03 and as directed by the Engineer.	m	980						
OB 1 - 16	Allow for construction rubble pitch to side of sloping area of new reservoir as depicted in Drg. No. MK/GR/C/03 and as directed by the Engineer complete.	m ²	2816						
OB 1 - 17	Allow for landscaping works of boundary walls & retaining walls	m ³	40						
	Total of Page A - 3 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-1 SUM

SITE WORKS AND RELOCATION OF SERVICES

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB-1	Page A - 1 of Bill OB 1 Page A - 2 of Bill OB 1 Page A - 3 of Bill OB 1			
MK/OB-1	Total of MK/OB-1 Summary to MK/OB Grand Summary			

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-2 : DEMOLITION OF OLD COURT BUILDING

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<p>Preliminaries</p> <p>Note:</p> <p>(i) This Bill, quantities are quantified as items. Therefore the Contractor's rate should include for complete execution of the works as depicted in drawings, as specified in specification and as per site conditions.</p> <p>(ii) For these items, Contractor is not entitle for any other additional payments.</p> <p>(iii) For demolishing works rate shall include for reusable items such as doors, windows, grills, steel trusses, timber frame etc. Carefully removal, storing and transporting as directed by the Engineer. Concrete reinforcement, brick/cabook debris stockpiling, transporting, clearing as directed by the Engineer.</p> <p>Demolishing</p>								
OB 2 - 1	Allow for removal of existing Asbestoes sheet roofing, calicut tile and corrugated Gl sheet roofing, rafters, purlins and other roof timber frame work including valance and barge board etc. Complete as depicted in Drg. No. MK/G/03 (2000 m2 approx.)	Item							
OB 2 - 2	Allow for removal of existing steel roof trusses as depicted in drawing MK/G/03 and as directed by the Engineer complete.	Item							
OB 2 - 3	Allow for removal of existing Asbestoes ceiling and timber frame work as depicted in drawing MK/G/03 and as directed by the Engineer complete.	Item							
	Total of Page A - 5 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-2 : DEMOLITION OF OLD COURT BUILDING

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 2 - 4	Allow for removal of existing doors, windows, fanlights, grill etc. as depicted in drawing MK/G/03 and as directed by the Engineer complete.	Item							
OB 2 - 5	Allow for demolishing, existing brick walls of 112 mm & 225 mm thick of different height as depicted in Drawing No. MK/G/03 and as directed by the Engineer complete.	Item							
OB 2 - 6	Allow for removal of existing Gl partions as depicted in Drg. No. MK/G/03 and as directed by Engineer complete.	Item							
OB 2 - 7	Allow for demolishing existing, concrete beams, lintels, sunshade, hoods, platforms etc. As depicted in Drg. No. MK/G/03 and as directed by the Engineer complete.	Item							
OB 2 - 8	Allow for demolishing existing brick paved and cement rendered floor as depicted in drawing MK/G/03 and as directed by the Engineer complete.	Item							
OB 2 - 9	Allow for demolishing existing concrete cement rendered floor as depicted in Drawing MK/G/03 and as directed by the Engineer complete.	Item							
OB 2 - 10	Allow for excavate and grubbing up brick masonry foundation as depicted in Drawing No. Mk/G/03 . Rate to include for back filling, grubbing area by approved earth as directed by Engineer complete.	Item							
OB 2 - 11	Allow for excavate and grubbing concrete foundation as depicted in Drawing No. MK/G/03 . Rate to include for backfilling, grubbing area by approved earth as directed by Engineer complete.	Item							
	Total of Page A - 6 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-2 SUM

DEMOLITION OF OLD COURT BUILDING

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB-2	Page A - 5 of Bill OB 2			
	Page A - 6 of Bill OB 2			
MK/OB-2	Total of MK/OB-2 Summary to MK/OB Grand Summary			

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<p><u>Preliminaries</u></p> <p>NOTE:</p> <p>(i) This Bill, quantities are quantified as items. Therefore the Contractor's rate should include for the complete execution of the works as specified in specifications as per site conditions.</p> <p>(ii) For these items Contractor is not entitle for any other additional payments.</p> <p>(iii) For demolishing works, rate shall include for reusable doors, windows, fanlight, steel trusses, partions, cubical etc. carefully removal, storing and transporting as directed by the Engineer. Concrete, reinforcement, brick/cabook walls, debris, stockpiling, transporting, clearing as directed by the Engineer.</p> <p><u>Demolishing</u></p> <p><u>Waterworks Engineer's Office Canteen & Lavatory Block.</u></p>								
OB 3 - 1	Allow for removal of existing Asbestos sheet & calicut tile roofing, timber frame work including timber beam, valance and barge board as depicted in Drawing No. MK/G/04 and as directed by the Engineer complete.	Item							
OB 3 - 2	Allow for removal of steel roof trusses , purlin, cleats etc. As depicted in Drg. No. MK/G/04 and as directed by the Engineer complete.	Item							
OB 3 - 3	Allow for removal of Asbestos ceilings , timber ceiling and timber frame work as depicted in Drg. No. MK/G/04 and as directed by the Engineer complete.	Item							
	Total of Page A - 8 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 4	Allow for removal of doors, windows, fanlight, grills, glass cubicals, partions etc. as depicted in Drg. No. MK/G/04 and as directed by Engineer complete.	Item							
OB 3 - 5	Allow for demolition of 112 mm and 225 mm thick brick walls, cabook wall of different height as depicted in Drawing No. MK/G/04 and as directed by the Engineer complete.	Item							
OB 3 - 6	Allow for demolition of concrete columns, beams, sunshade, slabs etc. As depicted in Drawing No. MK/G/04 and as directed by the Engineer complete.	Item							
OB 3 - 7	Allow for removal of "H" iron columns, angle iron railings etc. As depicted in Drg. No. MK/G/04 and as directed by Engineer complete.	Item							
OB 3 - 8	Allow for removal valley gutter, GI Gutter, PVC gutter , down pipe etc. As depicted in Drg. No. MK/G/04 and as directed by Engineer complete.	Item							
OB 3 - 9	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/04 and as directed by Engineer complete.	Item							
OB 3 - 10	Allow for excavate, grubbing up and removal of brick foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/04 and as directed by Engineer complete.	Item							
	Total of Page A - 9 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB3 - 11	Allow for excavate, grubbing up and removal of concrete foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/04 and as directed by Engineer complete.	Item							
OB3 - 12	Allow for excavate, grubbing up and removal of rubble foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/04 and as directed by the Engineer complete. <u>Demolishing</u> <u>Drainage maintenance office and worker's rest room.</u>	Item							
OB 3 - 13	Allow for removal of existing Asbestos sheet & half round tile roofing, timber frame work including timber beam, valance and barge board as depicted in Drawing No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 14	Allow for removal of Asbestos ceilings and timber frame work as depicted in Drg. No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 15	Allow for removal of doors, windows, fanlight, grills, glassed timber partions etc. as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 16	Allow for demolition of 112 mm and 225 mm thick brick walls, brick columns of different height as depicted in Drawing No. MK/G/05 and as directed by the Engineer complete.	Item							
	Total of Page A - 10 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 17	Allow for removal of timber roof trusses etc. as depicted in Drg. No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 18	Allow for demolition of concrete grills, beams, walls, sunshade, slabs etc. as depicted in Drawing No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 19	Allow for removal PVC gutter , down pipe etc. As depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 20	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 21	Allow for excavate, grubbing up and removal of rubble foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 22	Allow for excavate, grubbing up and removal of concrete foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
	<u>Demolishing.</u>								
	<u>Security Hut</u>								
OB 3 - 23	Allow for removal of existing Asbestos sheet roofing, timber frame work including timber beam, valance and barge board as depicted in Drawing No. MK/G/05 and as directed and as directed by the Engineer complete.	Item							
	Total of Page A - 11 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 24	Allow for removal of timber roof trusses , etc. As depicted in Drg. No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 25	Allow for removal of Asbestos ceilings , and timber frame work as depicted in Drg. No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 26	Allow for removal of doors, windows, fanlight as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 27	Allow for demolition of 225 mm thick brick walls as depicted in Drawing No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 28	Allow for demolition of concrete beams, lintols etc. as depicted in Drawing No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 29	Allow for removal PVC gutter , down pipe etc. as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 30	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 31	Allow for excavate, grubbing up and removal of brick foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
Total of Page A - 12 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>Demolishing</u>								
	<u>Overseer's Equipment, Tool and Rest Room</u>								
OB 3 - 32	Allow for removal of existing Asbestos sheet roofing, timber frame work including timber beam, valance and barge board as depicted in Drawing No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 33	Allow for removal of concrete rafters, purlin, etc. As depicted in Drg. No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 34	Allow for removal of doors, windows etc. as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 35	Allow for demolition of 112 mm and 225 mm thick brick walls/block walls of different height as depicted in Drawing No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 36	Allow for demolition of concrete beams, lintols etc. as depicted in Drawing No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 37	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
OB 3 - 38	Allow for excavate, grubbing up and removal of brick foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/05 and as directed by Engineer complete.	Item							
	Total of Page A - 13 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 39	Allow for excavate, grubbing up and removal of concrete foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/05 and as directed by Engineer complete. <u>Demolishing</u> <u>Overseer's Equipment Room and Garage</u>	Item							
OB 3 - 40	Allow for removal of existing Asbestos sheet roofing, timber frame work including timber beam, valance and barge board as depicted in Drawing No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 41	Allow for removal of timber roof trusses etc. As depicted in Drg. No. MK/G/05 and as directed by the Engineer complete.	Item							
OB 3 - 42	Allow for removal of doors, glass cubicals, partions etc. as depicted in Drg. No. MK/G/06 and as directed by Engineer complete.	Item							
OB 3 - 43	Allow for demolition of 112 mm and 225 mm thick brick walls of different height as depicted in Drawing No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 44	Allow for demolition of concrete, beams, lintols etc. as depicted in Drawing No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 45	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/06 and as directed by Engineer complete.	Item							
			Total of Page A - 14 Carried to Bill Summary						

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 46	Allow for excavate, grubbing up and removal of brick foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/06 and as directed by Engineer complete. Demolishing Stores and Transport Office	Item							
OB 3 - 47	Allow for removal of existing Asbestos sheet roofing, timber frame work including timber beam, valance and barge board as depicted in Drawing No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 48	Allow for removal of timber roof trusses etc. As depicted in Drg. No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 49	Allow for removal of doors, windows etc. as depicted in Drg. No. MK/G/06 and as directed by Engineer complete.	Item							
OB 3 - 50	Allow for demolition of 112 mm and 225 mm thick brick walls of different height as depicted in Drawing No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 51	Allow for demolition of concrete beams, lintols etc. As depicted in Drawing No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 52	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/06 and as directed by Engineer complete.	Item							
	Total of Page A - 15 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 53	Allow for excavate, grubbing up and removal of cabook foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/06 and as directed by Engineer complete.	Item							
OB3 - 54	Allow for excavate, grubbing up and removal of concrete foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/06 and as directed by Engineer complete.	Item							
	<u>Demolishing</u>								
	<u>Carpentry Room and Drivers Rest Room</u>								
OB 3 - 55	Allow for removal of existing Asbestos sheet roofing, timber frame work including timber beam, valance and barge board as depicted in Drawing No. MK/G/06 and as directed and as directed by the Engineer complete.	Item							
OB 3 - 56	Allow for removal of Timber roof trusses etc. As depicted in Drg. No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 57	Allow for removal of doors, windows etc. as depicted in Drg. No. MK/G/06 and as directed by Engineer complete.	Item							
OB 3 - 58	Allow for demolition of 225 mm thick brick walls of different height as depicted in Drawing No. MK/G/06 and as directed by the Engineer complete.	Item							
OB 3 - 59	Allow for demolition of concrete beams, lintols etc. As depicted in Drawing No. MK/G/06 and as directed by the Engineer complete.	Item							
	Total of Page A - 16 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 60	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/06 and as directed by Engineer complete.	Item							
OB 3 - 61	Allow for excavate, grubbing up and removal of brick foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/06 and as directed by Engineer complete. <u>Demolishing</u> <u>Ventury Meter Room</u>	Item							
OB 3 - 62	Allow for removal of existing reinforced concrete roof slab as depicted in Drawing No. MK/G/07 and as directed and as directed by the Engineer complete.	Item							
OB 3 - 63	Allow for removal of doors, windows etc. as depicted in Drg. No. MK/G/07 and as directed by Engineer complete.	Item							
OB 3 - 64	Allow for demolition of 225 mm thick brick walls 5400mm height as depicted in Drawing No. MK/G/07 and as directed by the Engineer complete.	Item							
OB 3 - 65	Allow for demolition of concrete beams, lintols etc. as depicted in Drawing No. MK/G/07 and as directed by the Engineer complete.	Item							
OB 3 - 66	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/07 and as directed by Engineer complete.	Item							
	Total of Page A - 17 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 67	Allow for excavate , grubbing up and removal of rubble foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/07 and as directed by the Engineer complete. <u>Demolishing</u> <u>Water Board Stores</u>	Item							
OB 3 - 68	Allow for removal of existing Asbestos sheet & calicut tile roofing, timber frame work including timber beam, valance and barge board as depicted in Drawing No. MK/G/07 and as directed by the Engineer complete.	Item							
OB 3 - 69	Allow for removal of Timber roof trusses etc. As depicted in Drg. No. MK/G/07 and as directed by the Engineer complete.	Item							
OB 3 - 70	Allow for removal of Asbestos ceilings , timber ceiling and timber frame work as depicted in Drg. No. MK/G/07 and as directed by the Engineer complete.	Item							
OB 3 - 71	Allow for removal of doors, windows, fanlight, grills etc. as depicted in Drg. No. MK/G/07 and as directed by Engineer complete.	Item							
OB 3 - 72	Allow for demolition of 225 mm thick brick walls of different height as depicted in Drawing No. MK/G/07 and as directed by the Engineer complete.	Item							
OB 3 - 73	Allow for demolition of concrete columns, beams, sunshade, slabs etc. as depicted in Drawing No. MK/G/07 and as directed by the Engineer complete.	Item							
Total of Page A - 18 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO. MK/OB-3 : DEMOLITION OF EXISTING BUILDINGS AT NEW RESERVOIR SITE

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3 - 74	Allow for removal GI Gutter, down pipe etc. as depicted in Drg. No. MK/G/07 and as directed by Engineer complete.	Item							
OB 3 - 75	Allow for demolition of brick paved and cement rendered floor as depicted in Drg. No. MK/G/07 and as directed by Engineer complete.	Item							
OB 3 - 76	Allow for excavate, grubbing up and removal of rubble foundation and backfilling grubbing area with approved earth filling as depicted in Drg. No. MK/G/07 and as directed by the Engineer complete.	Item							
Total of Page A - 19 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-3 SUM

DEMOLITION OF BUILDINGS IN PROPOSE MALIGAKANDA
NEW RESERVOIR PREMISES

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 3	Page A - 8 of Bill OB 3			
	Page A - 9 of Bill OB 3			
	Page A - 10 of Bill OB 3			
	Page A - 11 of Bill OB 3			
	Page A - 12 of Bill OB 3			
	Page A - 13 of Bill OB 3			
	Page A - 14 of Bill OB 3			
	Page A - 15 of Bill OB 3			
	Page A - 16 of Bill OB 3			
	Page A - 17 of Bill OB 3			
	Page A - 18 of Bill OB 3			
	Page A - 19 of Bill OB 3			
MK/OB-3	Total of MK/OB-3 Summary to MK/OB Grand Summary			

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>EARTH WORKS</u>								
	Excavation								
OB - 4.1	Excavation in foundations of columns & walls up to 1.5 m. deep.	m ³	1050.0						
OB - 4.2	- Do - below 1.5 m deep.	m ³	142.0						
	Fill								
OB - 4.3	Filling in foundations, stage 1.	m ³	580.0						
OB - 4.4	Filling in foundations, stage 2.	m ³	650.0						
OB - 4.5	Filling in foundations, stage 3.	m ³	540.0						
OB - 4.6	Filling around the Building.	m ³	253.0						
OB - 4.7	Dewatering	Item							
OB - 4.8	Anti termite treatment	Item							
OB - 4.9	Laying of polythene	kg.	150.0						
	<u>CONCRETE WORKS</u>								
	Up to DPC Level								
	Grade 15 (25) Ct. Concrete Ready Mixed								
OB - 4.10	40 mm. Thick blinding concrete.	m ²	1400.0						
	Total of Page A - 21 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.11	Fill in Lift well.	m ³	2.0						
OB - 4.12	Expansion joints.	m	400.0						
	Grade 25 (20) Ct. Concrete Ready Mixed								
OB - 4.13	400 mm. Thick Foundation in Ground beam, Columns, Lift well, Fire stair & Toilet duct.	m ³	290.0						
OB - 4.14	150 mm. Thick Pad over Ground beam.	m ³	35.0						
OB - 4.15	Ground Beam.	m ³	130.0						
OB - 4.16	Columns.	m ³	13.0						
OB - 4.17	225 mm. Walls in Lift well & Toilet duct.	m ²	38.0						
OB - 4.18	Plinth beams.	m ³	26.0						
	Grade 20(20) Ct. Concrete Ready Mixed								
OB - 4.19	125 mm. Thick Ground floor slab.	m ²	845.0						
	Grade 20(20) mass Ct. Concrete								
OB - 4.20	Front ramp	m ³	2.5						
OB - 4.21	Side ramp	m ²	7.0						
OB - 4.22	Flight of Steps with platform	Nr	1.0						
	Total of Page A - 22 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	DPC Level to First Floor Level.								
	Grade 25 (20) Ct. Concrete Ready Mixed								
OB - 4.23	Columns.	m ³	30.0						
OB - 4.24	Beams	m ³	80.0						
OB - 4.25	175 mm. Thick floor slab	m ³	158.0						
OB - 4.26	125 mm. Thick slab in hoods.	m ²	70.0						
	Grade 20 (20) Ct. Concrete								
OB - 4.27	75 mm. Thick fascia board.	m ²	57.0						
OB - 4.28	Main Staircase & Fire Staircase.	m ³	7.0						
OB - 4.29	225 mm x 150 mm Lintels.	m	12.0						
OB - 4.30	150 mm x 150 mm Lintels.	m	14.0						
OB - 4.31	100 mm x 150 mm Lintels.	m	13.0						
OB - 4.32	225 mm x 100 mm. Window sill.	m	80.0						
OB - 4.33	200 mm x 100 mm Upstand beam	m	6.0						
OB - 4.34	150 mm x 100 mm Upstand beam	m	12.0						
	Total of Page A - 23 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.35	100 mm x 225 mm Upstand beam First Floor Level to Second Floor Level Grade 25 (20) Ct. Concrete Ready Mixed	m	27.0						
OB - 4.36	Columns.	m ³	27.0						
OB - 4.37	Beams	m ³	74.0						
OB - 4.38	175 mm. Thick floor slab	m ³	147.0						
OB - 4.39	125 mm. Thick slab in hoods. Grade 20(20) Ct. Concrete	m ²	70.0						
OB - 4.40	75 mm. Thick fascia board.	m ²	57.0						
OB - 4.41	Main Staircase & Fire Staircase.	m ³	7.0						
OB - 4.42	225 mm x 150 mm Lintels.	m	12.0						
OB - 4.43	150 mm x 150 mm Lintels.	m	14.0						
OB - 4.44	100 mm x 150 mm Lintels.	m	13.0						
OB - 4.45	225 mm x 100 mm. Window sill.	m	90.0						
OB - 4.46	125 mm Wall in flower trough on porch.	m ²	26.0						
	Total of Page A - 24 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
 (To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.47	Gargoyl	Nr	2.0						
OB - 4.48	600 x 600 mm Light wells	Nr	2.0						
	Second Floor Level to Third Floor Level.								
	Grade 25 (20) Ct. Concrete Ready Mixed								
OB - 4.49	Columns.	m ³	27.0						
OB - 4.50	Beams	m ³	75.0						
OB - 4.51	175 mm. Thick floor slab	m ³	147.0						
OB - 4.52	125 mm. Thick slab in hoods.	m ²	77.0						
	Grade 20 (20) Ct. Concrete.								
OB - 4.53	75 mm. Thick fascia board.	m ²	63.0						
OB - 4.54	Main Staircase & Fire Staircase.	m ³	7.0						
OB - 4.55	225 mm x 150 mm Lintels.	m	12.0						
OB - 4.56	150 mm x 150 mm Lintels.	m	14.0						
OB - 4.57	100 mm x 150 mm Lintels.	m	13.0						
OB - 4.58	225 mm x 100 mm. Window sill.	m	80.0						
	Total of Page A - 25 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

[To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building]

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Above Third Floor Level.								
	Grade 25 (20) Ct. Concrete Ready Mixed								
OB - 4.59	Columns.	m ³	23.0						
OB - 4.60	Beams	m ³	69.0						
OB - 4.61	175 mm. Thick floor slab	m ³	20.0						
OB - 4.62	200 mm thick floor slab	m ³	3.0						
OB - 4.63	Machine room roof	m ²	43.0						
	Grade 20 (20) Ct. Concrete								
OB - 4.64	Fire Staircase.	m ³	5.0						
OB - 4.65	225 mm x 150 mm Lintels.	m	12.0						
OB - 4.66	150 mm x 150 mm Lintels.	m	14.0						
OB - 4.67	100 mm x 150 mm Lintels.	m	13.0						
OB - 4.68	225 mm x 100 mm. Window sill.	m	90.0						
OB - 4.69	Flight of steps	Nr	1.0						
	<i>Total of Page A - 26 Carried to Bill Summary</i>								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	FORM WORK								
	Up to DPC Level								
	15 mm Plywood Formwork								
OB - 4.70	Foundation	m ²	210.0						
OB - 4.71	Ground Beam.	m ²	550.0						
OB - 4.72	150 mm wide in Pad	m	780.0						
OB - 4.73	Column.	m ²	120.0						
OB - 4.74	Plinth Beams.	m ²	242.0						
OB - 4.75	150 mm wide in Plinth beam.	m	750.0						
OB - 4.76	Walls.	m ²	76.0						
OB - 4.77	Ramps and steps	m ²	20.0						
	DPC Level to First Floor Level.								
	15 mm Plywood Formwork								
OB - 4.78	Columns	m ²	300.0						
OB - 4.79	Beam with hood & fascia board.	m ²	296.0						
OB - 4.80	75 mm wide in fascia board.	m	115.0						
	Total of Page A - 27 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.81	Fins.	m ²	88.0						
OB - 4.82	Beams.	m ²	450.0						
OB - 4.83	Floor slab	m ²	775.0						
OB - 4.84	175 mm wide in slab	m	6.0						
OB - 4.85	Staircases	m ²	47.0						
	First Floor Level to Second Floor Level.								
	15 mm Plywood Formwork								
OB - 4.86	Columns	m ²	285.0						
OB - 4.87	Beam with hood & fascia board.	m ²	296.0						
OB - 4.88	75 mm wide in Fascia board.	m	115.0						
OB - 4.89	Beams.	m ²	420.0						
OB - 4.90	Floor slab	m ²	725.0						
OB - 4.91	175 mm wide in slab	m	6.0						
OB - 4.92	Wall in flower trough in Porch	m ²	50.0						
OB - 4.93	Staircases	m ²	47.0						
	<i>Total of Page A - 28 Carried to Bill Summary</i>								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Second Floor Level to Third Floor Level.								
	15 mm Plywood Formwork								
OB - 4.94	Columns	m ²	285.0						
OB - 4.95	Beam with hood & fascia board.	m ²	322.0						
OB - 4.96	75 mm wide in Fascia board.	m	135.0						
OB - 4.97	Beams.	m ²	420.0						
OB - 4.98	Floor slab	m ²	725.0						
OB - 4.99	175 mm wide in slab	m	6.0						
OB - 4.100	Staircases	m ²	47.0						
	Above Third Floor Level.								
	15 mm Plywood Formwork								
OB - 4.101	Columns	m ²	290.0						
OB - 4.102	Beams	m ²	622.0						
OB - 4.103	Floor slabs	m ²	115.0						
OB - 4.104	175 mm wide in slab	m	6.0						
OB - 4.105	Staircases	m ²	17.0						
	Total of Page A - 29 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	REINFORCEMENTS								
	Up to DPC Level								
	Tor Steel reinforcement.								
OB - 4.106	Foundations	Mt.	16.6						
OB - 4.107	Ground Beams.	Mt.	17.6						
OB - 4.108	Pad Receive Rubble Foundation	Mt.	3.6						
OB - 4.109	Plinth Beams	Mt.	7.6						
OB - 4.110	Toilet Duct	Mt.	0.3						
OB - 4.111	Columns	Mt.	8.8						
OB - 4.112	6 mm. Dia. Mild steel reinforcement.	Mt.	4.0						
	DPC Level to First Floor Level								
	Tor Steel reinforcement.								
OB - 4.113	Columns	Mt.	12.3						
OB - 4.114	Beams	Mt.	16.5						
OB - 4.115	Hood & Fascia.	Mt.	1.2						
	Total of Page A - 30 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Mallgakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.116	Floor Slab	Mt.	7.2						
OB - 4.117	Staircases	Mt.	0.9						
	Mild Steel Reinforcement.								
OB - 4.118	Column Stirrups	Mt.	0.6						
	First Floor Level to Second Floor Level								
	Tor Steel Reinforcement.								
OB - 4.119	Columns	Mt.	6.6						
OB - 4.120	Beams	Mt.	14.7						
OB - 4.121	Hood & Fascia.	Mt.	1.2						
OB - 4.122	Floor Slab	Mt.	7.2						
OB - 4.123	Staircases	Mt.	0.9						
OB - 4.124	Walls.	Mt.	0.4						
	Mild Steel Reinforcement.								
OB - 4.125	Column Stirrups	Mt.	0.7						
	Total of Page A - 31 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Second Floor Level to Third Floor Level								
	Tor Steel Reinforcement.								
OB - 4.126	Columns	Mt.	5.8						
OB - 4.127	Beams	Mt.	15.8						
OB - 4.128	Hood & Fascia.	Mt.	1.2						
OB - 4.129	Floor Slab	Mt.	8.0						
OB - 4.130	Staircases	Mt.	1.2						
	Mild Steel Reinforcement.								
OB - 4.131	Column Stirrups	Mt.	0.6						
	Above Third Floor Level.								
	Tor Steel reinforcement.								
OB - 4.132	Columns	Mt.	3.2						
OB - 4.133	Beams	Mt.	10.5						
OB - 4.134	Floors & Roof Slab	Mt.	1.5						
OB - 4.135	Staircases	Mt.	0.5						
	<i>Total of Page A - 32 Carried to Bill Summary</i>								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.136	Mild Steel Reinforcement. Column Stirrups	Mt.	0.6						
	<u>MASONRY WORK</u> Up to DPC Level.								
OB - 4.137	Rubble masonry in foundations.	m ³	200.0						
OB - 4.138	Pointed -do-	m ³	80.0						
	DPC Level to First Floor level.								
OB - 4.139	400 mm. Thick Brickwork in Ct. sand 1:5	m ³	25.0						
OB - 4.140	225 mm. Thick Brickwork in Ct. sand 1:5	m ²	220.0						
OB - 4.141	200 mm thick Block work in Ct. sand 1:5	m ²	12.0						
OB - 4.142	150 mm thick Block work in Ct. sand 1:5	m ²	325.0						
OB - 4.143	100 mm thick Block work in Ct. sand 1:5	m ²	125.0						
	First Floor Level to Second Floor Level								
OB - 4.144	225 mm. Thick Brickwork in Ct. sand 1:5	m ²	225.0						
OB - 4.145	200 mm thick Block work in Ct. sand 1:5	m ²	12.0						
	Total of Page A - 33 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.146	150 mm thick Block work in Ct. sand 1:5	m ²	335.0						
OB - 4.147	100 mm thick Block work in Ct. sand 1:5	m ²	82.0						
	Second Floor Level to Third Floor Level								
OB - 4.148	225 mm. Thick Brickwork in Ct. sand 1:5	m ²	229.0						
OB - 4.149	200 mm thick Block work in Ct. sand 1:5	m ²	12.0						
OB - 4.150	150 mm thick Block work in Ct. sand 1:5	m ²	335.0						
OB - 4.151	100 mm thick Block work in Ct. sand 1:5	m ²	82.0						
	Above Third Floor Level.								
OB - 4.152	225 mm. Thick Brickwork in Ct. sand 1:5	m ²	318.0						
OB - 4.153	200 mm thick Block work in Ct. sand 1:5	m ²	12.0						
OB - 4.154	150 mm thick Block work in Ct. sand 1:5	m ²	350.0						
OB - 4.155	100 mm thick Block work in Ct. sand 1:5	m ²	145.0						
	ALUMINIUM WORKS								
	Ground floor								
	Aluminium doors and windows.								
OB - 4.156	Door type D - 1.	m ²	13.6						
	Total of Page A - 34 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
 (To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.157	Door type D - 2	m ²	6.3						
OB - 4.158	Door type D - 3.	m ²	34.0						
OB - 4.159	Door type D - 4.	m ²	7.6						
OB - 4.160	Door type D - 5.	m ²	11.8						
OB - 4.161	Door type D - 6.	m ²	7.6						
OB - 4.162	Door type D - 7.	m ²	1.9						
OB - 4.163	Door type D - 8.	m ²	3.4						
OB - 4.164	Door type D - 9	m ²	5.1						
OB - 4.165	Door type D - 10.	m ²	3.2						
OB - 4.166	Door type FD.	m ²	3.5						
OB - 4.167	Window type W - 1	m ²	99.0						
OB - 4.168	Window type W - 2	m ²	8.8						
OB - 4.169	Window type W - 3	m ²	7.0						
OB - 4.170	Window type W - 4	m ²	0.8						
	Total of Page A - 35 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.171	Fanlight type F - 1	m ²	4.0						
OB - 4.172	Fanlight type F - 2	m ²	3.6						
OB - 4.173	Aluminium partitions	m ²	190.0						
	First Floor								
	Aluminium Doors and Windows.								
OB - 4.174	Door type D - 2	m ²	6.3						
OB - 4.175	Door type D - 3.	m ²	5.7						
OB - 4.176	Door type D - 4.	m ²	5.7						
OB - 4.177	Door type D - 5.	m ²	15.1						
OB - 4.178	Door type D - 6.	m ²	10.1						
OB - 4.179	Door type D - 7.	m ²	5.7						
OB - 4.180	Door type D- 8	m ²	3.4						
OB - 4.181	Door type D - 9.	m ²	5.1						
OB - 4.182	Door type D - 10.	m ²	3.2						
OB - 4.183	Window type W - 1	m ²	105.6						
	Total of Page A - 36 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.184	Window type W - 2	m ²	4.4						
OB - 4.185	Window type W - 3	m ²	6.6						
OB - 4.186	Window type W - 4	m ²	0.8						
OB - 4.187	Window type W - 5	m ²	25.8						
OB - 4.188	Window type W - 6	m ²	25.8						
OB - 4.189	Window type W - 7	m ²	1.2						
OB - 4.190	Fanlight type F - 1	m ²	2.7						
OB - 4.191	Fanlight type F - 2	m ²	3.6						
OB - 4.192	Aluminium partitions	m ²	138.0						
	Second Floor								
	Aluminium Doors and Windows.								
OB - 4.193	Door type D - 2	m ²	6.3						
OB - 4.194	Door type D - 3.	m ²	5.7						
OB - 4.195	Door type D - 4.	m ²	5.7						
OB - 4.196	Door type D - 5.	m ²	15.1						
	Total of Page A - 37 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.197	Door type D - 6.	m ²	10.1						
OB - 4.198	Door type D - 7.	m ²	3.8						
OB - 4.199	Door type D - 8	m ²	3.8						
OB - 4.200	Door type D - 9.	m ²	5.1						
OB - 4.201	Door type D - 10.	m ²	3.2						
OB - 4.202	Window type W - 1	m ²	105.6						
OB - 4.203	Window type W - 2	m ²	4.5						
OB - 4.204	Window type W - 3	m ²	6.6						
OB - 4.205	Window type W - 4	m ²	0.8						
OB - 4.206	Window type W - 7	m ²	1.2						
OB - 4.207	Fanlight type F - 1	m ²	2.7						
OB - 4.208	Fanlight type F - 2	m ²	3.6						
OB - 4.209	Aluminium partitions	m ²	164.0						
Total of Page A - 38 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Third Floor								
	Aluminium Doors and Windows.								
OB - 4.210	Door type D - 2	m ²	6.3						
OB - 4.211	Door type D - 3.	m ²	9.5						
OB - 4.212	Door type D - 4.	m ²	5.7						
OB - 4.213	Door type D - 5.	m ²	10.1						
OB - 4.214	Door type D - 6.	m ²	10.1						
OB - 4.215	Door type D - 7.	m ²	5.7						
OB - 4.216	Door type D - 8	m ²	3.4						
OB - 4.217	Door type D - 9.	m ²	5.1						
OB - 4.218	Door type D - 10.	m ²	3.2						
OB - 4.219	Window type W - 1	m ²	112.2						
OB - 4.220	Window type W - 1a	m ²	13.2						
OB - 4.221	Window type W - 3	m ²	6.6						
OB - 4.222	Window type W - 4	m ²	0.8						
	Total of Page A - 39 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
 (To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.223	Window type W - 7	m ²	1.2						
OB - 4.224	Fanlight type F - 1	m ²	2.7						
OB - 4.225	Fanlight type F - 2	m ²	2.4						
OB - 4.226	Aluminium partitions	m ²	184.0						
	<u>ROOFING & ROOF PLUMBING</u>								
OB - 4.227	Zinc aluminium colour bonded roof.	m ²	946.0						
OB - 4.228	25 mm. Thick insulation	m ²	946.0						
OB - 4.229	Zinc aluminium colour bonded ridge.	m	90.0						
OB - 4.230	Zinc alum. colour bonded sheet fascia board.	m	140.0						
OB - 4.231	150 x 150 mm zinc aluminium eaves gutter	m	140.0						
OB - 4.232	100 x 100 mm zinc aluminium down pipes	m	340.0						
OB - 4.233	Zinc aluminium gable capping flashing	m	2.8						
OB - 4.234	Zinc aluminium apron flashing	m	15.0						
OB - 4.235	Zinc aluminium Wall flashing	m	14.0						
	Total of Page A - 40 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.236	Zinc aluminium Apron flashing machine room	m	3.0						
OB - 4.237	Zinc aluminium chimney gutter	m	2.8						
OB - 4.238	Coul guard	Nr	1.0						
	Roof Machine Room								
OB - 4.239	Zinc aluminium colour bonded roof.	m ²	43.0						
OB - 4.240	25 mm. Thick insulation	m ²	43.0						
OB - 4.241	Zinc aluminium colour bonded ridge.	m	21.0						
OB - 4.242	Zinc alum. colour bonded sheet fascia board.	m	27.0						
OB - 4.243	150 x 150 mm zinc aluminium eaves gutter	m	27.0						
OB - 4.244	100 x 100 mm zinc aluminium down pipes	m	8.0						
	<u>PLASTER WORK</u>								
	Up to DPC								
	16 mm thick smooth cement and sand plaster								
OB - 4.245	Projection of plinth beam	m	170.0						
	Total of Page A - 41 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Ground Floor to First Floor								
	16 mm thick external plaster in lime cement and sand (1:1:5 mix.) finished semi rough								
OB - 4.246	Columns	m ²	180.0						
OB - 4.247	Walls	m ²	410.0						
OB - 4.248	Reveals not exceeding 150 mm wide.	m	250.0						
OB - 4.249	Reveals ex 150 mm wide but not ex 300 mm wide.	m	30.0						
OB - 4.250	Facia board	m ²	96.0						
OB - 4.251	Facia board edge not exceeding 150 mm wide.	m	245.0						
OB - 4.252	Window sill	m	85.0						
OB - 4.253	Beam projection	Nr	26.0						
	16 mm thick internal plaster in lime, cement and sand (1:1:5 mix.) finished smooth								
OB - 4.254	Columns	m ²	65.0						
OB - 4.255	Columns edge not exceeding 150 mm wide	m	245.0						
OB - 4.256	Walls	m ²	1200.0						
	Total of Page A - 42 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

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ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.257	Reveals not exceeding 150 mm wide.	m	350.0						
OB - 4.258	Reveals ex 150 mm wide but not ex 300 mm wide.	m	60.0						
	16 mm thick soffit plaster in lime, cement and sand (1:1:5 mix.) finished smooth								
OB - 4.259	Porch	m ²	55.0						
OB - 4.260	Floor slab	m ²	53.0						
OB - 4.261	Stair cases.	m ²	30.0						
	First Floor Level to Second Floor Level								
	16 mm thick external plaster in lime cement and sand (1:1:5 mix.) finished semi rough								
OB - 4.262	Columns	m ²	40.0						
OB - 4.263	Columns edge not exceeding 150 mm wide	m	200.0						
OB - 4.264	Walls	m ²	338.0						
OB - 4.265	Reveals not exceeding 150 mm wide.	m	270.0						
OB - 4.266	Reveals ex 150 mm wide but not ex 300 mm wide.	m	20.0						
OB - 4.267	Facia board	m ²	96.0						
	Total of Page A - 43 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.268	Facia board edge not exceeding 150 mm wide.	m	245.0						
OB - 4.269	Window sill	m	90.0						
	16 mm thick internal plaster in lime, cement and sand (1:1:5 mix.) finished smooth								
OB - 4.270	Columns	m ²	76.0						
OB - 4.271	Columns edge not exceeding 150 mm wide	m	165.0						
OB - 4.272	Walls	m ²	1050.0						
OB - 4.273	Reveals not exceeding 150 mm wide.	m	330.0						
OB - 4.274	Reveals ex 150 mm wide but not ex 300 mm wide.	m	30.0						
	16 mm thick soffit plaster in lime, cement and sand (1:1:5 mix.) finished smooth								
OB - 4.275	Slabs	m ²	53.0						
OB - 4.276	Stair cases.	m ²	30.0						
	Second Floor Level to Third Floor Level								
	16 mm thick external plaster in lime cement and sand (1:1:5 mix.) finished semi rough								
OB - 4.277	Columns	m ²	40.0						
	Total of Page A - 44 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.278	Columns edge not exceeding 150 mm wide	m	200.0						
OB - 4.279	Walls	m ²	352.0						
OB - 4.280	Reveals not exceeding 150 mm wide.	m	265.0						
OB - 4.281	Reveals ex 150 mm wide but not ex 300 mm wide.	m	20.0						
OB - 4.282	Facia board	m ²	105.0						
OB - 4.283	Facia board edge not exceeding 150 mm wide.	m	260.0						
OB - 4.284	Window sill	m	90.0						
	16 mm thick internal plaster in lime, cement and sand (1:1:5 mix.) finished smooth								
OB - 4.285	Columns	m ²	76.0						
OB - 4.286	Columns edge not exceeding 150 mm wide	m	165.0						
OB - 4.287	Walls	m ²	1070.0						
OB - 4.288	Reveals not exceeding 150 mm wide.	m	320.0						
OB - 4.289	Reveals ex 150 mm wide but not ex 300 mm wide.	m	30.0						
	16 mm thick soffit plaster in lime, cement and sand (1:1:5 mix.) finished smooth								
OB - 4.290	Slabs	m ²	53.0						
	Total of Page A - 45 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.291	Stair cases. Above Third Floor Level 16 mm thick external plaster in lime cement and sand (1:1:5 mix.) finished semi rough	m ²	30.0						
OB - 4.292	Columns ex 150 mm wide but not ex 300 mm wide.	m	96.0						
OB - 4.293	Columns not exceeding 150 mm wide.	m	195.0						
OB - 4.294	Walls ex 150 mm wide but not ex 300 mm wide.	m	125.0						
OB - 4.295	Walls	m ²	285.0						
OB - 4.296	Reveals not exceeding 150 mm wide.	m	265.0						
OB - 4.297	Reveals ex 150 mm wide but not ex 300 mm wide.	m	20.0						
OB - 4.298	Window sill 16 mm thick internal plaster in lime, cement and sand (1:1:5 mix.) finished smooth	m	90.0						
OB - 4.299	Columns ex 150 mm wide but not ex 300 mm wide.	m	180.0						
OB - 4.300	Columns edge not exceeding 150 mm wide	m	165.0						
OB - 4.301	Walls	m ²	1320.0						
OB - 4.302	Reveals not exceeding 150 mm wide.	m	320.0						
Total of Page A - 46 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

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ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.303	Reveals ex 150 mm wide but not ex 300 mm wide.	m	30.0						
OB - 4.304	Beams	m ²	90.0						
	16 mm thick soffit plaster in lime, cement and sand (1:1:5 mix.) finished smooth								
OB - 4.305	Slabs	m ²	40.0						
OB - 4.306	Beams ex 150 mm wide but not ex 300 mm wide	m	10.0						
OB - 4.307	Beams not exceeding 150 mm wide	m	6.0						
OB - 4.308	Stair cases.	m ²	15.0						
	PAVING								
	Ground Floor								
	Terrazzo Paving.								
OB - 4.309	Floor.	m ²	80.0						
OB - 4.310	Skirting.	m	25.0						
OB - 4.311	Landing in Stair case.	m ²	5.0						
OB - 4.312	Steps ex 150 mm wide but not ex 300 wide.	m	70.0						
	Total of Page A - 47 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.312a	Carborandom Strip.	m	110.0						
	Cement Rendering								
OB - 4.313	Floor.	m ²	10.0						
OB - 4.314	Skirting.	m	17.0						
OB - 4.315	Floor External Stair case.	m ²	7.0						
OB - 4.316	Steps ex 150 mm wide but not ex 300 wide.	m	60.0						
OB - 4.317	D.P.C	m ²	82.0						
OB - 4.318	300 x 300 mm floor tiles	m ²	635.0						
OB - 4.319	Tile skirting	m	135.0						
OB - 4.320	Pressed cement tiles	m ²	66.0						
OB - 4.321	Pressed cement tile skirting	m	11.0						
OB - 4.322	Water proofing.	m ²	180.0						
OB - 4.323	Block work filling	m ²	37.0						
OB - 4.324	Floor tiling.	m ²	36.0						
OB - 4.325	Wall tiling.	m ²	185.0						
	Total of Page A - 48 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

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ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	First Floor								
	Terrazzo Paving.								
OB - 4.326	Floor.	m ²	80.0						
OB - 4.327	Skirting.	m	10.0						
OB - 4.328	Floor in Stair case.	m ²	5.0						
OB - 4.329	Steps ex 150 mm wide but not ex 300 wide.	m	70.0						
OB - 4.330	Carborandom Strip.	m	110.0						
	Cement Rendering								
OB - 4.331	Floor.	m ²	10.0						
OB - 4.332	Skirting.	m	17.0						
OB - 4.333	Floor External Stair case.	m ²	7.0						
OB - 4.334	Steps ex 150 mm wide but not ex 300 wide.	m	60.0						
OB - 4.335	300 x 300 mm floor tiles	m ²	635.0						
OB - 4.336	Tile skirting	m	135.0						
OB - 4.337	Pressed cement tiles	m ²	66.0						
	Total of Page A - 49 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.338	Pressed cement tile skirting	m	11.0						
OB - 4.339	Water proofing.	m ²	180.0						
OB - 4.340	Block work filling	m ²	37.0						
OB - 4.341	Floor tiling.	m ²	36.0						
OB - 4.342	Wall tiling.	m ²	142.0						
	Second Floor								
	Terrazzo Paving.								
OB - 4.343	Floor.	m ²	80.0						
OB - 4.344	Skirting.	m	10.0						
OB - 4.345	Floor in Stair case.	m ²	5.0						
OB - 4.346	Steps ex 150 mm wide but not ex 300 wide.	m	70.0						
OB - 4.347	Carborandom Strip.	m	110.0						
	Cement Rendering								
OB - 4.348	Floor.	m ²	10.0						
OB - 4.349	Skirting.	m	17.0						
	Total of Page A - 50 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.350	Floor Stair case.	m ²	7.0						
OB - 4.351	Steps ex 150 mm wide but not ex 300 wide.	m	60.0						
OB - 4.352	300 x 300 mm floor tiles	m ²	635.0						
OB - 4.353	Tile skirting	m	135.0						
OB - 4.354	Water proofing.	m ²	180.0						
OB - 4.355	Block work filling	m ²	37.0						
OB - 4.356	Floor tiling.	m ²	36.0						
OB - 4.357	Wall tiling.	m ²	142.0						
	Third Floor								
	Terrazzo Paving.								
OB - 4.358	Floor.	m ²	80.0						
OB - 4.359	Skirting.	m	10.0						
OB - 4.360	Carborandom Strip.	m	110.0						
	Cement Rendering								
OB - 4.361	Floor.	m ²	40.0						
	Total of Page A - 51 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

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MALIGAKANDA OFFICE BUILDING

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ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.362	Skirting.	m	30.0						
OB - 4.363	Stair case landing	m ²	7.0						
OB - 4.364	Steps ex 150 mm wide but not ex 300 wide.	m	60.0						
OB - 4.365	300 x 300 mm floor tiles	m ²	600.0						
OB - 4.366	Tile skirting	m	120.0						
OB - 4.367	Water proofing.	m ²	160.0						
OB - 4.368	Block work filling	m ²	32.0						
OB - 4.369	Floor tiling.	m ²	31.0						
OB - 4.370	Wall tiling.	m ²	122.0						
OB - 4.371	Roof slab water proofing	m ²	75.0						
OB - 4.372	Pressed cement tiles	m ²	75.0						
OB - 4.373	Pressed cement tile skirting	m	30.0						
Total of Page A - 52 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>WATER SUPPLY & SANITARY</u>								
	Plumbing								
	Ground Floor								
OB - 4.374	Water closet	Nr.	7.0						
OB - 4.375	Wash basin	Nr.	7.0						
OB - 4.376	Urinal bowl.(4 persons)	Set	1.0						
OB - 4.377	Water closet and wash basin for disables	Set	1.0						
OB - 4.378	Stainless steel sink.	Nr.	1.0						
OB - 4.379	Bathroom mirror.	Nr.	2.0						
OB - 4.380	Chromium plated bibcock.	Nr.	7.0						
OB - 4.381	Toilet paper holder.	Nr.	7.0						
OB - 4.382	PVC. Pipe Line 20 mm. Dia.	m.	30.0						
OB - 4.383	PVC. Pipe Line 25 mm. Dia.	m.	30.0						
OB - 4.384	PVC. Pipe Line 32 mm. Dia.	m.	65.0						
OB - 4.385	PVC. Pipe Line 50 mm. Dia.	m.	28.0						
	Total of Page A - 53 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.386	PVC. Pipe Line 63 mm. Dia.	m.	20.0						
OB - 4.387	Under Ground water sump.	Nr.	1.0						
OB - 4.388	Submersible pumps	Nr.	2.0						
OB - 4.389	50 mm dia. stop valve.	m.	1.0						
OB - 4.390	50 mm dia Ball valve.	Nr.	1.0						
OB - 4.391	Soakage Pit	Nr.	1.0						
OB - 4.392	Grease Trap	Nr.	2.0						
OB - 4.393	Manhole Type MH 1	Nr.	1.0						
OB - 4.394	Manhole Type MH 2	Nr.	2.0						
OB - 4.395	Drop Manhole	Nr.	1.0						
OB - 4.396	Gullies	Nr.	5.0						
OB - 4.397	Catch Pits.	Nr.	5.0						
OB - 4.398	110 mm Dia. PVC. Pipe line for sewer	m.	55.0						
OB - 4.399	90 mm Dia. PVC. Pipe line for waste water	m.	30.0						
Total of Page A - 54 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.400	63 mm Dia. PVC. Pipe line for waste water	m.	20.0						
OB - 4.401	50 mm Dia. PVC. Pipe line for waste water	m.	10.0						
	First Floor Floor								
OB - 4.402	Water closet.	Nr.	7.0						
OB - 4.403	Wash basin	Nr.	7.0						
OB - 4.404	Urinal bowl.(4 persons)	Set	1.0						
OB - 4.405	Water closet and wash basin for disables	Set	1.0						
OB - 4.406	Stainless steel sink.	Nr.	1.0						
OB - 4.407	Bathroom mirror.	Nr.	2.0						
OB - 4.408	Chromium plated bibcock.	Nr.	7.0						
OB - 4.409	Toilet paper holder.	Nr.	7.0						
OB - 4.410	PVC. Pipe Line 20 mm. Dia.	m.	30.0						
OB - 4.411	PVC. Pipe Line 25 mm. Dia.	m.	30.0						
OB - 4.412	PVC. Pipe Line 32 mm. Dia.	m.	65.0						
OB - 4.413	PVC. Pipe Line 50 mm. Dia.	m.	33.0						
	Total of Page A - 55 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.414	PVC. Pipe Line 63 mm. Dia.	m.	20.0						
OB - 4.415	Catch Pits	Nr.	5.0						
OB - 4.416	110 mm Dia. PVC. Pipe line for sewer	m.	15.0						
OB - 4.417	90 mm Dia. PVC. Pipe line for waste water	m.	30.0						
OB - 4.418	63 mm Dia. PVC. Pipe line for waste water	m.	20.0						
OB - 4.419	50 mm Dia. PVC. Pipe line for waste water	m.	10.0						
	Second Floor								
OB - 4.420	Water closet	Nr.	7.0						
OB - 4.421	Wash basin	Nr.	7.0						
OB - 4.422	Urinal bowl.(4 persons)	Set	1.0						
OB - 4.423	Water closet and wash basin for disables	Set	1.0						
OB - 4.424	Stainless steel sink.	Nr.	1.0						
OB - 4.425	Bathroom mirror.	Nr.	2.0						
OB - 4.426	Chromium plated bibcock.	Nr.	7.0						
OB - 4.427	Toilet paper holder.	Nr.	7.0						
	Total of Page A - 56 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.428	PVC. Pipe Line 20 mm. Dia.	m.	30.0						
OB - 4.429	PVC. Pipe Line 25 mm. Dia.	m.	30.0						
OB - 4.430	PVC. Pipe Line 32 mm. Dia.	m.	65.0						
OB - 4.431	PVC. Pipe Line 50 mm. Dia.	m.	30.0						
OB - 4.432	PVC. Pipe Line 63 mm. Dia.	m.	20.0						
OB - 4.433	Catch Pits	Nr.	5.0						
OB - 4.434	110 mm Dia. PVC. Pipe line for sewer	m.	15.0						
OB - 4.435	90 mm Dia. PVC. Pipe line for wast water	m.	30.0						
OB - 4.436	63 mm Dia. PVC. Pipe line for wast water	m.	20.0						
OB - 4.437	50 mm Dia. PVC. Pipe line for wast water	m.	10.0						
	Third Floor								
OB - 4.438	Water closet	Nr.	6.0						
OB - 4.439	Wash basin	Nr.	6.0						
OB - 4.440	Urinal bowl. 4persons	Set	1.0						
OB - 4.441	Water closet and wash basin for disables	Set	1.0						
	Total of Page A - 57 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.442	Stainless steel sink.	Nr.	1.0						
OB - 4.443	Bathroom mirror.	Nr.	2.0						
OB - 4.444	Chromium plated bibcock.	Nr.	6.0						
OB - 4.445	Toilet paper holder.	Nr.	6.0						
OB - 4.446	PVC. Pipe Line 20 mm. Dia.	m.	30.0						
OB - 4.447	PVC. Pipe Line 25 mm. Dia.	m.	30.0						
OB - 4.448	PVC. Pipe Line 32 mm. Dia.	m.	65.0						
OB - 4.449	PVC. Pipe Line 50 mm. Dia.	m.	25.0						
OB - 4.450	PVC. Pipe Line 63 mm. Dia.	m.	20.0						
OB - 4.451	63 mm dia. ball bore valve.	Nr.	2.0						
OB - 4.452	50 mm dia Stope valve.	Nr.	11.0						
OB - 4.453	Plastishell water tank.	Nr.	3.0						
OB - 4.454	Catch Pits	Nr.	5.0						
OB - 4.455	110 mm Dia. PVC. Pipe line for sewer & vent	m.	18.0						
Total of Page A - 58 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

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ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.456	90 mm Dia. PVC. Pipe line for wast water & vent	m.	35.0						
OB - 4.457	63 mm Dia. PVC. Pipe line for wast water	m.	20.0						
OB - 4.458	50 mm Dia. PVC. Pipe line for wast water	m.	10.0						
OB - 4.459	PVC dome 110 mm dia.	Nr.	3.0						
OB - 4.460	PVC dome 90 mm dia.	Nr.	3.0						
	<u>PAINT WORK</u>								
	Ground Floor.								
OB - 4.461	Weather proof paint, external surfaces of walls.	m ²	782.0						
OB - 4.462	Emulsion paint, internal surfaces of walls.	m ²	1490.0						
OB - 4.463	Emulsion paint, soffit plaster	m ²	138.0						
	First Floor.								
OB - 4.464	Weather proof paint, external surfaces of walls.	m ²	556.0						
OB - 4.465	Emulsion paint, internal surfaces of walls.	m ²	1310.0						
OB - 4.466	Emulsion paint, soffit plaster	m ²	83.0						
	<i>Total of Page A - 59 Carried to Bill Summary</i>								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

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MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Second Floor.								
OB - 4.467	Weather proof paint, external surfaces of walls.	m ²	568.0						
OB - 4.468	Emulsion paint, internal surfaces of walls.	m ²	1328.0						
OB - 4.469	Emulsion paint, soffit plaster	m ²	83.0						
	Third Floor & Above								
OB - 4.470	Weather proof paint, external surfaces of walls.	m ²	395.0						
OB - 4.471	Emulsion paint, internal surfaces of walls.	m ²	1500.0						
OB - 4.472	Emulsion paint, soffit plaster	m ²	71.0						
	<u>STORM WATER DISPOSAL</u>								
OB - 4.473	300 x 750 mm drain	m	170.0						
OB - 4.474	Precast drain	m	70.0						
OB - 4.475	225mm dia. hume pipe drain	m	100.0						
OB - 4.476	275mm -do-	m	25.0						
OB - 4.477	900 x 900 x 600mm man hole	Nr	20.0						
	Total of Page A - 60 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

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MALIGAKANDA OFFICE BUILDING

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				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>EXTERNAL WORKS</u>								
OB - 4.478	Security hut	Nr	1.0						
OB - 4.479	600 x 600 mm paving slabs	m ²	250.0						
OB - 4.480	Curb wall	m	320.0						
OB - 4.481	Vehicular parking area.	m ²	515.0						
OB - 4.482	Boundary wall	m ²	112.0						
OB - 4.483	Security fence	m ²	680.0						
OB - 4.484	G.I Gate	Nr	2.0						
	<u>FIRE FIGHTING & FIRE ALARM SYSTEM</u>								
	Hose Reel System								
OB - 4.485	Supplying , installation, testing and commissioning of Hose Reel System consisting of : Heavy Duty G.I pipe network of 50 mm dia. with connections to hose reel points inclusive all fittings, accessories, pipe supports/racks under slabs, along walls and through ducts and connected to the pumping system as indicated in Fire Arrangement drawing, and as required by the NFPA /BSS specification. (The fittings and accessories should not be limited to that shown on the Firw Arrangemet Drawings but should be as per the NFPA or BSS standards.)	Item							
	Total of Page A - 61 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

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				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.486	19 mm dia. 30 m long drum mounted hose reels provided in locations inside the building complete with all fittings and accessories and connected to the above hose reel system (In Levels 1,2,3 &4)	Nr	8.0						
OB - 4.487	Glass fronted weather prof cabinet boxes of reputed make installed within the building of proprietary and reputed manufacture as per American, British or Sri Lanka Standards complete with all fittings, and accessories to house the hose reel hoses from hose reel systems at locations shown in drawings.	Nr	8.0						
OB - 4.488	Supplying, installation, testing and commissioning ,of end suction centrifugal type fire water pumping sets consisting of main pump with capacity of 60 l/min. at a delivery head of 43 m and jokey pump with a capacity of 5 l/min. at a delivery head of 50 m.	Set	1.0						
OB - 4.489	Supplying, and fixing, heavy duty 50 mm dia. G.I suction and 50 mm dia. delivery lines, complete with foot valve and other valves, automatic pressure switc, pressure gauge, testing assembly and all other fittings and accessories with a delivery, heas of 40 m. and flow of 1.20 ips. Supplying ,Installation testing and commissioning of a manual call point Alarm system complete with release - button call points and alarm bells and all other fittings and accessories as per specifications linked to a central alarm panel.	Item							
OB - 4.490	Call points	Nr	9.0						
Total of Page A - 62 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

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				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.491	Alarm Bells Supplying and installation of the following fire extinguishers.	Nr	9.0						
OB - 4.492	9 Lt. Water Fire Extinguishers (in hose reel cabinets)	Nr	16.0						
OB - 4.493	3 kg CO ₂ Fire Extinguishers	Nr	8.0						
OB - 4.494	3 kg Dry Chemical Powder Fire Extinguishers	Nr	2.0						
OB - 4.495	Supplying and Installation of conventional Fire alarm system with one control centre for fire detection and as stated in the specifications, inclusive of all fittings and accessories of type notifier intelligent fire alarm systems or equivalent.	Item							
	VENTILATION SYSTEM								
OB - 4.496	Supply of fabricated GI ventilation ducting as per the drawing, complete with dampers, fire stoppers, brackets, louvers, and other accessories to be installed at levels 1,2,3 and 4.	Sets	4.0						
OB - 4.497	Supply of 300 mm dia. axial flow ventilation fans with 50 m ³ /min each with necessary accessories.	Nr	4.0						
OB - 4.498	Installation, testing, and commissioning of Ventilating ductings and fittings, and ventilation fans, supplied under items OB-4.14.7 & OB-4.14.8 above, between roof slab, and ceiling of each level as per drawing.	Nr	4.0						
OB - 4.499	Supply and fixing of ventilating fans for toilets, (2 Nos. for each floor) complete with necessary fittings, louvers, electrical switches, wires, conduits and fittings.etc.	Sets	8.0						
	Total of Page A - 63 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

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				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<p>ELECTRICAL INSTALLATION</p> <p>Contractor should refer Drawings, Specifications Notes, Measurement and Rate Clauses and Trade Preambles before pricing</p> <p>Note</p> <p>[1] Rates to include all accessories such as junction boxes, clips, screws, conduit pipes, switch boxes, ceiling roses, lamps cables. Wires etc.,</p> <p>[2] The rates quoted are for supply, installation, testing and commissioning.</p> <p>[3] All switches, socket outlets, distribution boards etc., shall be flush mounted unless otherwise specified.</p> <p>Switch boards and Distribution boards</p>								
OB - 4.500	Main switch panels (MSP) in switch room of tranformer room as described in drawing no :MK/ OB/ E10.	Sets	1.0						
OB - 4.501	Main switch board (MSB) in ground floor switch board room as described in drawing no :MK/ OB/ E02.	Sets	1.0						
OB - 4.502	Utilities power dstrubtion board(U PDB)in ground floor switch board room, as described in drawing No:MK/OB/E02.	Sets	1.0						
OB - 4.503	Power distribution board(PDBS)in switch board room of each floors, as described in drawing No : MK/OB/E02.	Sets	4.0						
OB - 4.504	Single phase , distribution boards in switch board room (of tranformer room) as described in drawing No : MK/OB/E 10.	Sets	1.0						
	Total of Page A - 64 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.505	Single phase , lighting distribution boards (LDB'S) in switch board room of each floors as described in drawing No : MK/OB/E03,MK/OB/E04,and MK/OB/E05.	Sets	12.0						
OB - 4.506	Single phase , lighting distribution boards (ELDB'S) in switch board room of each floors as described in drawing No : MK/OB/E03,MK/OB/E04,and MK/OB/E05.	Sets	4.0						
OB - 4.507	Garden lamp control switching arrangements in security room as described in drawing No : MK/OB/E01.	Sets	1.0						
	Main Cables								
OB - 4.508	2 x 240 sqmm pvc/pvc copper cables for phases and neutral from CEB meters to MSP in switch room (of transformer room).	Item							
OB - 4.509	2 x 240 sqmm 4 core x LPE copper cables(armoured) from MSP to MSB in switch room (Ground floor).	Item							
OB - 4.510	35sqmm 4 core XLPE copper cables(armoured) from D/G set to MSB in switch room (Ground floor).	Item							
OB - 4.511	10 sqmm pvc/pvc copper cables for phases and neutral from D/G set and from MSP to change over switch in switch room (of transformer room)DB.	Item							
OB - 4.512	35 sqmm pvc/pvc copper cables for phases and neutral and 16 sqmm PE cable from MSB to UPDB in switch room (Ground floor).	Item							
OB - 4.513	50 sqmm pvc/pvc copper cables for phases and neutral and 25sqmm PE cable from MSB to PDB's in switch board room in each floors.	Sets	4.0						
	Total of Page A - 65 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.514	16 sqmm pvc/pvc copper cables for phases and for neutral and 16sqmm PE cable from PDB to single phase LDB'S in switch board room in each floors.	Sets	4.0						
OB - 4.515	16 sqmm pvc/pvc copper cables for phases and for neutral and 16sqmm PE cable from U PDB to single phase ELDB'S in switch board room in each floors.	Sets	4.0						
OB - 4.516	10 sqmm XLPE copper cables(armoured) from U PDB to garden lamp control switch in security room (Dawing no MK/OBb/E-01).	Item							
OB - 4.517	16 sq mm XLPE copper cables (armoured) from UPDB to pump control board.	Item							
	Sub Circuit Wiring Note : Sub circuit wiring between DB 's and final points inclusive of all accessories and conduits (except switches sockets in item OB - 4.05.4) vide drawings : MK/OB/E-3 To E-08, MK/OB/E-10, MK/OB/E-01								
OB - 4.518	Wiring to lamp points in all floors and detached building.	Nr	665.0						
OB - 4.519	Wiring to fan points in all floors.	Nr	163.0						
OB - 4.520	Wiring to socket outlets in ring circiutes each rated 30 Amp.	Sets	8.0						
OB - 4.521	Wiring to call bells (each with two push buttons) ineach floors.	Sets	4.0						
OB - 4.522	Cabling to garden lamps - Feeder No -1	Item							
	Total of Page A - 66 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.523	Cabling to garden lamps - Feeder No -2	Item							
OB - 4.524	Cabling to garden lamps - Feeder No -3	Item							
OB - 4.525	Wiring to socket outlets in switch room.	Nr	7.0						
OB - 4.526	Wiring to socket outlets in switch room and security room.	Nr	8.0						
	Supply, install and connect up the following :								
OB - 4.527	600mm.X600mm. Fluorescent lamp fitting for recessed mounting with 3 nos 18/ 20 w fluoreseant tubes, and mirrir optic reflector system ,suitable for recessed indoor mounting on modular type flase ceiling (include P.F. Correction capactors and radio interference suppressors). Specification Nos type 30.	Nr	561.0						
OB - 4.528	Similar to above but suitable for surface mounting under concrete hoods, with protection against dust and moisture being IP 44 or better . Specification type 31.	Nr	13.0						
OB - 4.529	Fluorecent lamp fitting for surface mounting, with opal diffuser with a single 36/40w fluorecent tube. Specification type 9.	Nr	9.0						
OB - 4.530	Similar above but using Fluorecent tubes 36 /40 w Specification type 19.	Nr	8.0						
OB - 4.531	Fluorecent lamp fitting for surface mounting, with opal diffuser with a single 18/20w fluorecent tube (type 27).	Nr	21.0						
OB - 4.532	Ditto - specification type 10.	Nr	8.0						
	Total of Page A - 67 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.533	Ceiling fans 1420 mm sweep ,complete with regulator and controlled by a switch (switched is priced seperately under item OB _ 4.563)	Nr	163.0						
OB - 4.534	Garden lamps, specification type 32 (complete with supports).	Sets	32.0						
OB - 4.535	Switches 10 A. 5 gang.	Sets	4.0						
OB - 4.536	Switches 10 A. 4 gang.	Sets	83.0						
OB - 4.537	Switches 10 A. 3 gang.	Sets	8.0						
OB - 4.538	Switches 10 A. 2 gang.	Sets	9.0						
OB - 4.539	Switches 10 A. Singles.	Sets	26.0						
OB - 4.540	Socket outlet 13A with 5A fused plugs (singles).	Sets	124.0						
OB - 4.541	Socket outlet 13A with 5A fused plugs (doubles).	Sets	89.0						
	Telephone Outlets								
OB - 4.542	Install empty conduits complete with draw boxes and all conduite accessories for telephone outlets and terminate on telephone outlets single sockets.	Sets	154.0						
OB - 4.543	Ditto - Twin sockets.	Sets	10.0						
	Total of Page A - 68 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.544	Supply install connect up and commision for use 60 KVA 3 - phase 415 /240v , 50 HZ diesel generator for automatic mains failure operation, complete with daily service fule tank and piping (cater for 8 hour operation at full load). Fuel storage tank and fuel transfer pumps and pipes (cater for 100 hours operation at full load) . In take air handling and hot air out let arrangements. Exhaust system with residential type silencer and logging of all exhaust pipes inside Engineer room. Starting battery and charger with trickle and quick charge facilities.	Sets	1.0						
OB - 4.545	Lighting protection as specified vide Drg.No.MK/OB/E.09	Item							
OB - 4.546	External lighting and instrumentation work complete for office building, new reservoir, existing reservoir, chlorination house and valve house.	Item							
OB - 4.547	Supply & Installation of passenger lift.	Item							
	MISCELLANEOUS								
	Ground Floor								
OB - 4.548	Mineral fibre ceiling.	m ²	780.0						
OB - 4.549	600 x 600 mm Exhaust diffuser	Nr	5.0						
OB - 4.550	300x300 mm G.I duct	m	40.0						
OB - 4.551	Stainless steel Hand rail with uprights.	m	8.0						
	Total of Page A - 69 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING

MALIGAKANDA OFFICE BUILDING

(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.552	Stainless steel Hand rail fixed to wall.	m	12.0						
OB - 4.553	G.I hand rails with uprights	m	16.0						
OB - 4.554	G.I hand rails fixed to walls	m	9.0						
OB - 4.555	Reception counter	Nr	1.0						
OB - 4.556	G.I. Grille	m ²	1.5						
	First Floor								
OB - 4.557	Mineral fibre ceiling.	m ²	780.0						
OB - 4.558	600 x 600 mm Exhaust diffuser	Nr	5.0						
OB - 4.559	300x300 mm G.I duct	m	40.0						
OB - 4.560	Stainless steel Hand rail with uprights.	m	8.0						
OB - 4.561	Stainless steel Hand rail fixed to wall.	m	12.0						
OB - 4.562	G.I hand rails with uprights	m	8.0						
OB - 4.563	G.I balcony railings	m	6.0						
OB - 4.564	Reception counter	Nr	1.0						
OB - 4.565	G.I. Grille	m ²	1.5						
	Total of Page A - 70 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Second Floor								
OB - 4.566	Mineral fibre ceiling.	m ²	780.0						
OB - 4.567	600 x 600 mm Exhaust diffuser	Nr	5.0						
OB - 4.568	300 x 300 G.I duct	m	40.0						
OB - 4.569	Stainless steel Hand rail with uprights.	m	8.0						
OB - 4.570	Stainless steel Hand rail fixed to wall.	m	12.0						
OB - 4.571	G.I hand rails with uprights	m	8.0						
OB - 4.572	G.I hand rails fixed to walls	m	9.0						
OB - 4.573	G.I balcony railings	m	6.0						
OB - 4.574	Reception counter	Nr	1.0						
OB - 4.575	G.I. Grille	m ²	1.5						
	Third Floor								
OB - 4.576	Mineral fibre ceiling.	m ²	780.0						
OB - 4.577	600 x 600 mm Exhaust diffuser	Nr	5.0						
OB - 4.578	300 x 300 G.I duct	m	40.0						
	Total of Page A - 71 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILLS OF QUANTITIES

BILL NO. MK/OB-04 : CONSTRUCTION OF MALIGAKANDA OFFICE BUILDING
(To be Read in Conjunction with Preamble to BOQ for Maligakanda Office Building)

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB - 4.579	Asbestos eave ceiling.	m ²	240.0						
OB - 4.580	G.I Hand rail with uprights	m	8.0						
OB - 4.581	G.I Hand rail fixed to wall.	m	12.0						
OB - 4.582	G.I balcony railings	m	6.0						
OB - 4.583	Reception counter	Nr	1.0						
OB - 4.584	665 mm x 150 mm opening in wall	Nr	30.0						
OB - 4.585	G.I. Grille	m ²	1.5						
Total of Page A - 72 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-4 SUM

CONSTRUCTION OF OFFICE BUILDING

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 4	Page A - 21 of Bill OB 4			
	Page A - 22 of Bill OB 4			
	Page A - 23 of Bill OB 4			
	Page A - 24 of Bill OB 4			
	Page A - 25 of Bill OB 4			
	Page A - 26 of Bill OB 4			
	Page A - 27 of Bill OB 4			
	Page A - 28 of Bill OB 4			
	Page A - 29 of Bill OB 4			
	Page A - 30 of Bill OB 4			
	Page A - 31 of Bill OB 4			
	Page A - 32 of Bill OB 4			
	Page A - 33 of Bill OB 4			
MK/OB-4	Total Carried Forward			

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-4 SUM

CONSTRUCTION OF OFFICE BUILDING

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 4	Total Brought Forward			
	Page A - 34 of Bill OB 4			
	Page A - 35 of Bill OB 4			
	Page A - 36 of Bill OB 4			
	Page A - 37 of Bill OB 4			
	Page A - 38 of Bill OB 4			
	Page A - 39 of Bill OB 4			
	Page A - 40 of Bill OB 4			
	Page A - 41 of Bill OB 4			
	Page A - 42 of Bill OB 4			
	Page A - 43 of Bill OB 4			
	Page A - 44 of Bill OB 4			
	Page A - 45 of Bill OB 4			
MK/OB-4	Total Carried Forward			

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-4 SUM

CONSTRUCTION OF OFFICE BUILDING

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 4	Total Brought Forward			
	Page A - 46 of Bill OB 4			
	Page A - 47 of Bill OB 4			
	Page A - 48 of Bill OB 4			
	Page A - 49 of Bill OB 4			
	Page A - 50 of Bill OB 4			
	Page A - 51 of Bill OB 4			
	Page A - 52 of Bill OB 4			
	Page A - 53 of Bill OB 4			
	Page A - 54 of Bill OB 4			
	Page A - 55 of Bill OB 4			
	Page A - 56 of Bill OB 4			
	Page A - 57 of Bill OB 4			
MK/OB-4	Total Carried Forward			

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-4 SUM

CONSTRUCTION OF OFFICE BUILDING

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 4	Total Brought Forward			
	Page A - 58 of Bill OB 4			
	Page A - 59 of Bill OB 4			
	Page A - 60 of Bill OB 4			
	Page A - 61 of Bill OB 4			
	Page A - 62 of Bill OB 4			
	Page A - 63 of Bill OB 4			
	Page A - 64 of Bill OB 4			
	Page A - 65 of Bill OB 4			
	Page A - 66 of Bill OB 4			
	Page A - 67 of Bill OB 4			
	Page A - 68 of Bill OB 4			
	Page A - 69 of Bill OB 4			
MK/OB-4	Total Carried Forward			

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-4 SUM

CONSTRUCTION OF OFFICE BUILDING

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise E tity etc. Rs./cts
OB 4	Total Brought Forward			
	Page A - 70 of Bill OB 4			
	Page A - 71 of Bill OB 4			
	Page A - 72 of Bill OB 4			
MK/OB-4	Total of MK/OB-4 Summary to MK/OB Grand Summary			

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/OB-5 : CONSTRUCTION OF GENERATOR / TRANSFORMER ROOM

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Earth work Rate to include for excavation, shoring & dewatering (where necessary), backfilling, ramming, compacting and removal of all surplus or unsuitable material elsewhere as directed by the Engineer.								
OB 5 - 1	Excavation in foundation any material other than rock not exceeding 1.5 m deep for column pits.	m ³	4.00						
OB 5 - 2	Ditto - for trenches in wall foundation and internal drains.	m ³	24.00						
OB 5 - 3	Ditto - exceeding 1.0 m not exceeding 2.0 m deep.	m ³	1.00						
OB 5 - 4	Filling under floors ,well rammed and consolidated in 150 mm thick layers.	m ³	8.00						
	Concrete Work Rate to include for all formwork, supply & placing of concrete as specified.								
	Concrete Grade 15								
OB 5 - 5	In 50mm thick blinding concrete for foundation under base slab.	m ²	17.00						
	Total of Page A - 78 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/OB-5 : CONSTRUCTION OF GENERATOR / TRANSFORMER ROOM

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>Concrete Grade 25 (20) Ready Mixed Concrete</u> Rate to include for formwork, supporting systems, reinforcement (supply, cutting and bending, storing, erection, placing in position and tied with GI binding wire) supply & placing concrete and curing as specified.								
	<u>Up to DPC Level</u>								
OB 5 - 6	In column bases.	m ³	1.20						
OB 5 - 7	In column shaft.	m ³	0.40						
OB 5 - 8	150 mm thick ground floor slab.	m ²	20.50						
OB 5 - 9	Base slab in generator room	m ³	2.00						
	<u>From DPC Level to Roof Level</u>								
	<u>Concrete Grade 25 (20) Ready Mixed Concrete</u> Rate to include for formwork, supporting systems, reinforcement (supply, cutting and bending, storing, erection, placing in position and tied with GI binding wire) supply & placing concrete and curing as specified.								
OB 5 - 10	In column shaft.	m ³	1.30						
OB 5 - 11	In roof beams.	m ³	1.10						
OB 5 - 12	In tie beams.	m ³	1.70						
	Total of Page A - 79 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/OB-5 : CONSTRUCTION OF GENERATOR / TRANSFORMER ROOM

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 5 - 13	Construction of RCC Cable Trench size 600 mm x 600 mm (internally) complete as per Cable Trench detailed drawing . Rate shall include for necessary reinforcement, form work, finishes of walls and bases, and precast concrete cover slabs.	m	16.00						
OB 5 - 14	Supply and fix concrete window type W1 ,size 600 x 1200 mm with fixed concrete louvers as per detailed drawings. <u>Form work</u> <u>Up to Ground Floor level</u> <u>15 mm Plywood Formwork</u>	Nr	6.00						
OB 5 - 15	In sides of column bases.	m ²	6.00						
OB 5 - 16	In sides of column shaft	m ²	6.00						
OB 5 - 17	In sides of generator floor slab. <u>From DPC level to Roof Level</u>	m ²	5.20						
OB 5 - 18	In sides and sofit of roof beams.	m ²	15.20						
OB 5 - 19	In sides and sofit of tie beams.	m ²	20.00						
OB 5 - 20	In sides of columns.	m ²	22.10						
Total of Page A - 80 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/OB-5 : CONSTRUCTION OF GENERATOR / TRANSFORMER ROOM

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>Reinforcement</u>								
	<u>Up to DPC Level</u>								
	<u>Tor Steel Reinforcement</u>								
OB 5 - 21	Column Bases	Kg	32.00						
OB 5 - 22	Column Shaft	Kg	21.40						
OB 5 - 23	Generator Room Base Slab	Kg	102.30						
OB 5 - 24	From DPC Level to Roof Level	Kg	59.23						
OB 5 - 25	Roof Beams	Kg	139.00						
OB 5 - 26	Tie beams	Kg	248.00						
	<u>Mild Steel Reinforcements</u>								
OB 5 - 27	Column up to DPC	Kg	7.20						
OB 5 - 28	Column for DPC to Roof	Kg	9.70						
	<u>Masonry Work</u>								
OB 5 - 29	150 x 225 mm Random rubble masonry in (1:5) cement sand mortar in wall foundation.	m ³	13.03						
OB 5 - 30	225 mm thick brick work in cement sand mortar 1:6 in walls	m ²	220.00						
	Total of Page A - 81 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/OB-5 : CONSTRUCTION OF GENERATOR / TRANSFORMER ROOM

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>Roof work</u>								
OB 5 - 31	Corrugated asbestos sheets lay on steel frame work Rate shall include 50mm thick insulation with aluminum foil on both sides supported of wire mesh. Steel frame measured separately.	m ²	83.00						
OB 5 - 32	225 x 25 mm valance board & barge board in class I timber fixed complete. Rate to include for applying two coats of approved wood preservative & one under coat & two finishing coats of gloss enamel paint to all timber work.	m	40.00						
OB 5 - 33	Half round asbestos ridge tiles bedded with cement lime sand 1:1:6 mortar	m	14.00						
OB 5 - 34	Flat asbestos ceiling sheet fix to timber frame as per detailed drawing.	m ²	67.00						
	<u>Structural Steel Work</u>								
OB 5 - 35	152 x 64 x 10 -25 mm galvanized lipped 'C' purlins anchored to concrete beams.	m	111.00						
OB 5 - 36	12 mm dia. mild steel tie rods fix to center span of each bays.	m	19.00						
	<u>Surface Finishes</u>								
	<u>DPC level to roof level</u>								
OB 5 - 37	16mm thick cement sand lime mortar (1:1:5)to walls finished with semi rough (externally).	m ²	85.21						
	Total of Page A - 82 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/OB-5 : CONSTRUCTION OF GENERATOR / TRANSFORMER ROOM

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 5 - 38	Internal plastering 16mm thick in cement lime and sand 1:1:5 to walls finished smooth with lime putty. Rate to include for door and window reveals. <u>Paving</u>	m ²	107.00						
OB 5 - 39	Damp proof course in 16mm thick 1:3 cement sand mortar screed and two coats of hot tar blinded with sand.	m ²	9.25						
OB 5 - 40	Cement rendering in floors 20mm average thick cement sand mortar 1:3 finished smooth in floor.	m ²	25.03						
OB 5 - 41	Ditto - skirting	m	19.00						
	<u>Doors</u>								
OB 5 - 42	Steel door size 1200 x 2000mm (Type D1) complete as per detailed drawing.	Nr	1.00						
OB 5 - 43	Aluminium roller shutter door (Type RD1) size 3000 x 3000 mm complete as per manufacturer detail with locking devise, hinges etc. <u>Rainwater Disposal</u> Rain water should dispose to the drain around the building and connect to the waste water line.	Nr	2.00						
OB 5 - 44	150mm dia half round PVC gutter with PVC bracket fixed on the valance board at 600 mm centers.	m	28.00						
OB 5 - 45	90mm dia PVC down pipe with necessary fittings bends, shoe, gutter heads etc., fixed complete to the wall	m	31.00						
	Total of Page A - 83 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/OB-5 : CONSTRUCTION OF GENERATOR / TRANSFORMER ROOM

MALIGAKANDA OFFICE BUILDING

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>Painting</u>								
OB 5 - 46	Apply one under coat & two finishing coats of approved weather proof emulsion paint on all surfaces of external walls	m ²	93.00						
OB 5 - 47	Ditto - eave ceiling.	m ²	26.00						
OB 5 - 48	Apply one under coat & two finishing coats of approved emulsion paint on all surfaces of internal walls	m ²	167.00						
OB 5 - 49	Ditto - soffit of asbestos sheet ceiling.	m ²	41.00						
	<u>Electrical Installation</u>								
OB 5 - 50	1200mm x 40W batten type double lamp fluorescent fitting using 1.5mm pvc cable and earth wire in pvc conduit pipe and controlled by a 10A. Switch. [including price of the light fitting]	Nr	6						
OB 5 - 51	13A. Switch socket outlet [double] wired using 2.5mm pvc cable and 2.5mm earth wire in pvc conduit pipe in ring circuit.	Nr	6						
	<u>Earthing</u>								
OB 5 - 52	Supply and install a suitable earthing system to obtain an earth resistance less than 5 ohms.		Item						
	Total of Page A - 84 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/OB-5 SUM

CONSTRUCTION OF GENERATOR/TRANSFORMER HOUSE

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
OB 5	Page A - 78 of Bill OB 5 Page A - 79 of Bill OB 5 Page A - 80 of Bill OB 5 Page A - 81 of Bill OB 5 Page A - 82 of Bill OB 5 Page A - 83 of Bill OB 5 Page A - 84 of Bill OB 5			
MK/OB-5	Total of MK/OB-5 Summary to MK/OB Grand Summary			

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Maligakanda New Reservoir

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-1 : CONSTRUCTION OF 22000 M³ CAPACITY GROUND RESERVOIR

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
	Earth Works Rate to include for excavation, shoring & dewatering (where necessary), backfilling, ramming, compacting and removal of all surplus or unsuitable material elsewhere as directed by the Engineer. For excavation in any material other than rock								
GR 1 - 1	Up to an average depth not exceeding 2.0m.	m ³	5400						
GR 1 - 2	depth 2.0- 4.0 m	m ³	3250						
GR 1 - 3	depth exceeding 4.0 m (Provisional)	m ³	45						
GR 1 - 4	Extra over above Item 3.1 to 3.3 for rock excavation (Provisional Quantity)	m ³	45						
GR 1 - 5	Filling, ramming and compacting with selected gravelly material from approved barrow site (Provisional Quantity)	m ³	200						
	Concrete Rate to include for all formwork, supporting system, supply and placing concrete (with temperature control) and curing as specified. (Reinforcement measured separately) Concrete in Grade 15								
GR 1 - 6	In 75mm thick blinding under base slab ring foundation and all other places as depicted on drawings	m ²	2430						
	Total of Page A - 87 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-1 : CONSTRUCTION OF 22000 M³ CAPACITY GROUND RESERVOIR

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 1 - 7	-ditto- around pipes, sump and foundation edges Concrete Grade 35A	m ²	55						
GR 1 - 8	In base slab of 400 mm thick, perimeter ring foundation	m ³	1225						
GR 1 - 9	In baffle walls of 200 mm thick and beams cast together with baffle walls at man hole access, drain outside the perimeter wall, in circular columns,	m ³	490						
GR 1 - 10	In roof beams and roof slab, curb wall at the roof level Concrete Grade 40	m ³	840						
GR1 - 11	In perimeter post-tensioned wall Reinforcement Rate to include for supply and delivery to the yard, storing, cutting and bending, transport to the site, cleaning as specified and to the approval of the Engineer (if necessary) and erection, placing in position tied with GI binding wire complete as depicted in Drawing.	m ³	995						
GR1 - 12	Tor Steel	MT	650						
GR1 - 13	Mild Steel	MT	1.5						
Total of Page A - 88 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-1 : CONSTRUCTION OF 22000 M³ CAPACITY GROUND RESERVOIR

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
	Post Tensioning Wires Rate to include all necessary temporary platforms, ducts and reinforcing stools necessary to keep in position, anchoring systems, tensioning of wires in stages as depicted in the drawings, grouting of ducts after tensioning protection mortar for end blocks and any other item not measured elsewhere but are necessary for the post-tensioning of the reservoir wall.								
GR 1 - 14	7.0 mm wires	MT	52						
	Miscellaneous								
GR 1 - 15	Allow for supply & install water level indicator fixed with protection pipe to reservoir walls. Rate to include for forming 600 x 600mm opening, cover slab, kerb etc., complete as depicted in the drawings	Item							
	Rate to include for supplying and laying or fixing in position damp proof membrane, water bar expansion joint as specified in Technical Specification and as depicted in Drawings.								
GR 1 - 16	1000 gauge damp proof membrane under base and on slopes as depicted in Drawing	Item							
GR 1 - 17	Expansion joints between walls & roof slab and on roof slab as depicted in the drawings	Item							
GR 1 - 18	Expansion joints between base slab and foundation ring beam and in the base as depicted in the drawings	Item							
	Total of Page A - 89 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-1 : CONSTRUCTION OF 22000 M³ CAPACITY GROUND RESERVOIR

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 1 - 19	Leakage testing and disinfection of the structure on completion	Item							
GR 1 - 20	Allow for forming 12 Nos. 600 x 600 mm air vent openings with concrete covers and stainless steel insect netting etc. as depicted in standard drawings.	Item							
GR 1 - 21	Allow for forming 3 Nos. 900 x 900mm manhole opening with 1200 x 1200mm aluminium chequered plate cover including locking arrangement complete as depicted in the drawings	Item							
GR 1 - 22	Allow for under drainage comprising perforated pipes, no-fines concrete and geo-textile membrane laid to fall allow for connection on to manhole as per specification and as depicted in the drawings	Item							
GR 1 - 23	Allow for supply and Install 3 Nos. Stainless steel ladders inside the reservoir including RC platforms and as depicted in the drawings.	Item							
GR 1 - 24	Grade 20 concrete benching radially and to slope, forming side drains, supply and placing 25-40 mm dia round pebbles of light colour and water proofing membrane on the reservoir roof slab etc., as per the specification and as depicted in the drawings.	m ²	2350						
GR 1 - 25	Grade 25 concrete benching to slope, forming side drains on the reservoir base inside the reservoir as per the specification and as depicted in the drawings.	m ²	2250						
GR 1 - 26	Allow for supply & fix 32mm dia GI hand railing at roof top as depicted in the drawings.	Item							
	Total of Page A - 90 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-1 : CONSTRUCTION OF 22000 M³ CAPACITY GROUND RESERVOIR

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 1 - 27	Allow for supply & fix 1No. Galvanized access ladder with safety hoops & cages etc. from formation ground to reservoir roof (with a removable piece) as depicted in the drawings.	Item							
GR 1 - 28	Allow for supply & install roof drain outlets with 8Nos.strainer, 100mm dia DI flanged down pipes and direct to the perimeter drain or man holes as depicted in the drawings.	Item							
GR 1 - 29	Allow for coating inside reservoir with cementitious modified mortar as per specifications.	m ²	10600						
GR 1 - 30	Power supply arrangement from the main switch panel (located in switch room near office building) to replace the existing supply as depicted in drawing.	Item							
Total of Page A - 91 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/GR-1 SUM

CONSTRUCTION OF NEW GROUND RESERVOIR - CAPACITY 22,00 M³

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 1	Page A - 87 of Bill GR 1 Page A - 88 of Bill GR 1 Page A - 89 of Bill GR 1 Page A - 90 of Bill GR 1 Page A - 91 of Bill GR 1			
MK/GR-1	Total of MK/GR-1 Summary to MK/GR Grand Summary			

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
	<p>All pipes shall be Class - K9 Flange pipes and all fittings except Tees shall be Class - K12 All Tees shall be Class - K14 All Flanges shall be of PN 16</p> <p>Supply and Delivery at site all DI pipes and fittings including rubber rings, lubricant, gaskets, bolts & nuts, Denso primer, paste, protection tape and all other associated material required for complete installation</p> <p><u>Inlet to New Reservoir</u></p>								
GR 2 - 1	600 mm dia Flanged Bell Mouth	Nr	1						
GR 2 - 2	600 mm dia D/F Pipe 3000 mm long	Nr	3						
GR 2 - 3	600 mm dia F/PE Pipe 2790 mm long	Nr	1						
GR 2 - 4	600 mm dia D/F Pipe 2000 mm long with Puddle Flange	Nr	1						
GR 2 - 5	600 mm dia D/F Bend	Nr	1						
GR 2 - 6	600 mm dia 2650 mm long F/PE Pipe Piece	Nr	1						
GR 2 - 7	600 mm dia Coupling	Nr	3						
GR 2 - 8	600 mm dia P/E Pipe Piece 3085 mm long	Nr	1						
GR 2 - 9	600 mm dia 1000 mm long F/PE Pipe Piece with Puddle Flange	Nr	1						
	Total of Page A - 93 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 10	600 mm dia 1220 mm long F/PE Pipe Piece with Puddle Flange	Nr	1						
GR 2 - 11	600 mm dia Flange Adapter for DI Pipe	Nr	2						
GR 2 - 12	600 mm dia P/E Pipe Piece 2000 mm long	Nr	1						
GR 2 - 13	600 mm 45° Socketted Bend	Nr	2						
GR 2 - 14	600 mm dia Butterfly Valve	Nr	1						
GR 2 - 15	600 mm dia 3210 mm long P/E Pipe Piece	Nr	1						
GR 2 - 16	600 mm dia F/PE Pipe 3430 mm long	Nr	1						
GR 2 - 17	800 mm x 600 mm dia Double Flanged taper	Nr	1						
GR 2 - 18	800 mm x 30 inch Flange Adapter for Steel Pipe	Nr	1						
GR 2 - 19	800 mm x 800 mm dia All Flanged Tee	Nr	1						
GR 2 - 20	800 mm dia 1000 mm long F/PE Pipe Piece	Nr	1						
GR 2 - 21	30 inch Steel x 800 mm DI Stepped Coupling	Nr	1						
GR 2 - 22	600 mm So/Sp Pipes 5500 mm long	Nr	1						
	Outlet from New Reservoir								
GR 2 - 23	800 mm Flanged Bell Mouth	Nr	1						
	Total of Page A - 94 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 24	800 mm D/F Pipe 3000 mm long	Nr	1						
GR 2 - 25	800 mm D/F Pipe 900 mm long with Puddle Flange	Nr	1						
GR 2 - 26	800 mm dia 90° Double Flange Bend	Nr	1						
GR 2 - 27	800 mm dia 3000 mm long F/PE Pipe Piece	Nr	1						
GR 2 - 28	800 mm Coupling	Nr	3						
GR 2 - 29	800 mm dia 2540 mm long F/PE Pipe Piece	Nr	1						
GR 2 - 30	800 mm dia 1230 mm long F/PE Pipe piece with Puddle Flange	Nr	1						
GR 2 - 31	800 mm dia Flange Adapter for DI Pipe	Nr	2						
GR 2 - 32	800 mm dia Butterfly Valve	Nr	1						
GR 2 - 33	800 mm 45° Socketted Bend	Nr	2						
GR 2 - 34	800 mm dia 1800 mm long F/PE Pipe Piece	Nr	1						
GR 2 - 35	800 mm dia 1930 mm long F/PE Pipe Piece with Puddle Flange	Nr	1						
GR 2 - 36	800 mm dia 1800 mm long F/PE Pipe Piece	Nr	1						
GR 2 - 37	800 mm dia 1000 mm long F/PE Pipe Piece	Nr	1						
	Total of Page A - 95 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 38	800 mm So/Sp Pipes 5500 mm long	Nr	2						
GR 2 - 39	800 mm dia Pipe Piece 2235 mm long	Nr	1						
GR 2 - 40	800 mm dia Pipe Piece 2400 mm long	Nr	1						
GR 2 - 41	800 mm dia Pipe Piece 2420 mm long	Nr	1						
	<u>Overflow from New Reservoir</u>								
GR 2 - 42	400 mm dia Flanged Bell Mouth	Nr	1						
GR 2 - 43	400 mm dia D/F Pipe 3000 mm long	Nr	2						
GR 2 - 44	400 mm dia F/PE Pipe 2800 mm long	Nr	1						
GR 2 - 45	400 mm dia Flange Adapter	Nr	1						
GR 2 - 46	400 mm dia D/F Pipe 2000 mm long with Puddle Flange	Nr	1						
GR 2 - 47	400 mm dia 90 ° Flanged Bend	Nr	1						
GR 2 - 48	400 mm dia D/F Pipe 2000 mm long	Nr	1						
GR 2 - 49	400 mm dia F/PE Pipe Piece 1620 mm long	Nr	1						
GR 2 - 50	400 mm dia Coupling	Nr	3						
GR 2 - 51	400 mm dia P/E Pipe 2000 mm long	Nr	1						
	Total of Page A - 96 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 52	400 mm dia P/E Pipe 1550 mm long with Puddle Flange	Nr	1						
	<u>Washout from New Reservoir</u>								
GR 2 - 53	300 mm dia Flanged Bell Mouth	Nr	1						
GR 2 - 54	300 mm DF Pipe with Puddle Flange, 500 mm long	Nr	1						
GR 2 - 55	300 mm x 90 o Flanged Bend	Nr	2						
GR 2 - 56	300 mm DF Pipe 5000 mm long	Nr	5						
GR 2 - 57	300 mm F/PE Pipe Piece 1925 mm long	Nr	1						
GR 2 - 58	300 mm dia. Coupling	Nr	2						
GR 2 - 59	300 mm F/PE Pipe Piece 2225 mm long	Nr	1						
GR 2 - 60	300 mm DF Pipe 1700 mm long	Nr	1						
GR 2 - 61	300 mm F/PE Pipe Piece 3000 mm long	Nr	1						
GR 2 - 62	300 mm F/PE Pipe Piece 2200 mm long with Puddle Flange	Nr	1						
GR 2 - 63	300 mm dia Gate Valve with Extension Stem	Nr	1						
	<u>30" Steel to Borella</u>								
GR 2 - 64	800 mm dia 45° Socketted Bend	Nr	2						
	Total of Page A - 97 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 65	30" Steel x 800 DI Stepped Coupling	Nr	1						
GR 2 - 66	800 mm dia So/Sp Pipe 5500 mm long	Nr	1						
GR 2 - 67	800 mm dia P/E Pipe 3225 mm long	Nr	1						
GR 2 - 68	800 mm dia P/E Pipe 5325 mm long	Nr	1						
GR 2 - 69	800 mm dia P/E Pipe 1000 mm long	Nr	1						
	30" Steel Bypass								
GR 2 - 70	800 mm dia 45° Socketted Bend	Nr	2						
GR 2 - 71	800 mm Flange Adapter	Nr	1						
GR 2 - 72	800 mm Flange equal Tee	Nr	1						
GR 2 - 73	800 mm dia 11 1/4° Socketted Bend	Nr	1						
GR 2 - 74	30" Steel x 800 DI stepped Coupling	Nr	1						
GR 2 - 75	800 mm dia So/Sp Pipes 5500 mm long	Nr	2						
GR 2 - 76	800 mm x 700 mm Flanged taper	Nr	1						
GR 2 - 77	700 mm dia Flange Adapter	Nr	3						
GR 2 - 78	27" Steel x 700mm dia DI Stepped Coupling	Nr	1						
	Total of Page A - 98 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 79	800 mm dia P/E Pipe Piece 700 mm long	Nr	1						
GR 2 - 80	800 mm dia P/E Pipe Piece 2130 mm long	Nr	1						
GR 2 - 81	800 mm dia P/E Pipe Piece 1210 mm long	Nr	1						
GR 2 - 82	800 mm dia F/PE Pipe Piece 960 mm long	Nr	1						
GR 2 - 83	800 mm dia P/E Pipe Piece 1000 mm long	Nr	1						
GR 2 - 84	700 mm dia P/E Pipe Piece 1500 mm long with Puddle Flange	Nr	1						
	10" Dematagoda								
GR 2 - 85	250 mm x 45° Socketted Bend	Nr	3						
GR 2 - 86	10" x 250 mm dia DI Stepped Coupling	Nr	1						
GR 2 - 87	250 mm dia P/E Pipe Piece 1380 mm long	Nr	1						
GR 2 - 88	250 mm dia P/E Pipe Piece 1760 mm long	Nr	1						
GR 2 - 89	250 mm dia P/E Pipe Piece 3890 mm long	Nr	1						
GR 2 - 90	250 mm dia P/E Pipe Piece 2540 mm long	Nr	1						
GR 2 - 91	250 mm dia S/S Pipe Piece 2725 mm long	Nr	1						
GR 2 - 92	250 mm dia So/Sp Pipes 5500 mm long	Nr	5						
	Total of Page A - 99 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
	<u>20" Hultsdorf Main</u>								
GR 2 - 93	500 mm x 45° Socketted Bend	Nr	3						
GR 2 - 94	20" x 500 mm dia DI Stepped Coupling	Nr	1						
GR 2 - 95	500 mm dia P/E Pipe Piece 1500 mm long	Nr	1						
GR 2 - 96	500 mm dia P/E Pipe Piece 1570 mm long	Nr	1						
GR 2 - 97	500 mm dia P/E Pipe Piece 2050 mm long	Nr	1						
GR 2 - 98	500 mm dia P/E Pipe Piece 2000 mm long	Nr	1						
	<u>27" CI Kollupitiya Main</u>								
GR 2 - 99	700 mm x 45° Socketted Bend	Nr	3						
GR 2 - 100	27" x 700 mm dia DI Stepped Coupling	Nr	1						
GR 2 - 101	700 mm dia P/E Pipe Piece 960 mm long	Nr	1						
GR 2 - 102	700 mm dia P/E Pipe Piece 1515 mm long	Nr	1						
GR 2 - 103	700 mm dia P/E Pipe Piece 2000 mm long	Nr	1						
GR 2 - 104	700 mm dia P/E Pipe Piece 4980 mm long	Nr	1						
	Total of Page A - 100 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
	20" Steel Fort Main								
GR 2 - 105	500 mm dia 45° Socketted Bend	Nr	3						
GR 2 - 106	500 mm dia 22 1/2° Socketted Bend	Nr	1						
GR 2 - 107	20" x 500 mm dia DI Stepped Coupling	Nr	1						
GR 2 - 108	500 mm dia So/Sp Pipes, 5500 mm long	Nr	1						
GR 2 - 109	500 mm dia P/E Pipe Piece 1920 mm long	Nr	1						
GR 2 - 110	500 mm dia P/E Pipe Piece 2250 mm long	Nr	1						
GR 2 - 111	500 mm dia P/E Pipe Piece 2610 mm long	Nr	1						
GR 2 - 112	500 mm dia P/E Pipe Piece 3245 mm long	Nr	1						
GR 2 - 113	500 mm dia P/E Pipe Piece 5050 mm long	Nr	1						
	40" Steel Main								
GR 2 - 114	1000 mm dia 90° Socketted Bend	Nr	1						
GR 2 - 115	1000 mmdia 45° Socketted Bend	Nr	1						
GR 2 - 116	1000 mm Coupling	Nr	1						
GR 2 - 117	1000 mm dia Adaptor for DI Pipe	Nr	1						
	Total of Page A - 101 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 118	1000 mm Flange Adapter for Steel (Flange 1000mm,NP16)	Nr	1						
GR 2 - 119	1000 mm 45° Flanged Bend	Nr	1						
GR 2 - 120	1000 mm SS Pipes 6000 mm long	Nr	1						
GR 2 - 121	1000 mm dia P/E Pipe Piece 2700 mm long	Nr	1						
GR 2 - 122	1000 mm dia P/E Pipe Piece 6560 mm long	Nr	1						
GR 2 - 123	1000 mm dia D/F Pipe Piece 1500 mm long with Puddle Flange	Nr	2						
GR 2 - 124	1000 mm dia F/PE Pipe Piece 2000 mm long with Clamp on External Flow Meter	Nr	1						
GR 2 - 125	1000 mm dia F/PE Pipe Piece 2000 mm long	Nr	1						
GR 2 - 126	1000 mm dia F/PE Pipe Piece 2300 mm long	Nr	1						
GR 2 - 127	1000 mm dia F/PE Pipe Piece 2710 mm long	Nr	1						
	Connection to Mt. Mary								
GR 2 - 128	250 mm dia So/Sp Pipes	m	70						
GR 2 - 129	250 mm dia 45° DI Socketted Bend	Nr	3						
GR 2 - 130	250 mm dia 1 1/4° DI Socketted Bend	Nr	1						
	Total of Page A - 102 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 131	250 mm x 10" Steel Stepped Coupling	Nr	1						
GR 2 - 132	250 mm dia DI F/PE Pipe Piece 2000 mm long with Puddle Flange	Nr	2						
GR 2 - 133	250 mm dia DI F/PE Pipe Piece 2000 mm long with Clamp	Nr	1						
GR 2 - 134	250 mm dia Flange Adapter	Nr	1						
GR 2 - 135	250 mm dia VJ Coupling	Nr	2						
	<u>30" Outlet of Existing Circular Reservoir</u>								
GR 2 - 136	800 mm dia So/Sp Pipes	m	100						
GR 2 - 137	800 mm dia 45° Socketted Bend	Nr	3						
GR 2 - 138	800 mm x 800 mm Flanged Tee	Nr	1						
GR 2 - 139	800 mm VJFA	Nr	3						
GR 2 - 140	VJFA for steel 30" (Flange 800mm, NP16)	Nr	1						
GR 2 - 141	800 mm dia Flanged Butterfly Valve	Nr	1						
GR 2 - 142	800 mm dia F/PE Pipe 1800 mm long with Puddle Flange at 650 mm away from the flanged end	Nr	1						
GR 2 - 143	800 mm DI/30" Steel Stepped Coupling	Nr	1						
	Total of Page A - 103 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-2 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 2 - 144	800 mm dia. P/E Pipe Piece 1600 mm long with Puddle Flange	Nr	1						
	<u>New 300 DI to Demataqoda</u>								
GR 2 - 145	300 mm dia So/Sp Pipes	m	160						
GR 2 - 146	300 mm dia x 45o Socketted Bend	Nr	5						
GR 2 - 147	300 mm dia x 90 o Socketted Bend	Nr	1						
GR 2 - 148	300 mm dia VJ Coupling	Nr	3						
GR 2 - 149	300 mm dia F/PE Pipe Piece with Clamp on external Flow Meter	Nr	1						
GR 2 - 150	300 mm dia F/PE Pipe Piece 2000 mm long with Puddle Flange	Nr	2						
GR 2 - 151	300 mm dia Flange Adapter for DI Pipe	Nr	1						
	Total of Page A - 104 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/GR-2 SUM

SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS - YARD PIPING

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 2	Page A - 93 of Bill GR 2			
	Page A - 94 of Bill GR 2			
	Page A - 95 of Bill GR 2			
	Page A - 96 of Bill GR 2			
	Page A - 97 of Bill GR 2			
	Page A - 98 of Bill GR 2			
	Page A - 99 of Bill GR 2			
	Page A - 100 of Bill GR 2			
	Page A - 101 of Bill GR 2			
	Page A - 102 of Bill GR 2			
	Page A - 103 of Bill GR 2			
	Page A - 104 of Bill GR 2			
MK/GR-2	Total of MK/GR-2 Summary to MK/GR Grand Summary			

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Earth work Rate to include for excavation, shoring & dewatering (where necessary), backfilling, ramming, compacting and removal of all surplus or unsuitable material elsewhere as directed by the Engineer.								
GR 3 - 1	Excavation in foundation any material other than rock not exceeding 1.5 m deep.	m ³	365						
GR 3 - 2	Ditto - exceeding 1.5 m deep.	m ³	515						
	Concrete Work Rate to include for supply & placing concrete and curing as specified.								
	Concrete Grade 15								
GR 3 - 3	In 50mm thick blinding concrete for foundation under base slab.	m ²	245						
	Concrete Grade 35A - Ready Mixed Concrete								
	Up to Ground Floor Level								
GR 3 - 4	In 400 mm thick base slab.	m ³	98						
GR 3 - 5	In 400 mm thick walls.	m ³	107						
	Concrete Grade 25 (20) Ready Mixed Concrete								
GR 3 - 6	In 250 x 250mm column.	m ³	2						
	Total of Page A - 106 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 3 - 7	In ground floor beams.	m ³	5						
GR 3 - 8	200 mm thick slabs on base slab.	m ²	16						
	From Ground Floor Level to Roof Level								
	Concrete Grade 25 (20) Ready Mixed Concrete								
GR 3 - 9	In column.	m ³	5						
GR 3 - 10	In roof beams.	m ³	18						
GR 3 - 11	In staircase steps, landing and waist.	m ³	2						
	Form work								
	Up to Ground Floor level								
	15 mm Plywood Formwork								
GR 3 - 12	In sides of base slab.	m ²	37						
GR 3 - 13	In sides of ground floor beams.	m ²	70						
GR 3 - 14	In sides of columns.	m ²	31						
GR 3 - 15	In sides of walls.	m ²	532						
GR 3 - 16	In soffit of ground floor slab.	m ²	78						
GR 3 - 17	In soffit of staircase waist and landings.	m ²	7						
	Total of Page A - 107 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 3 - 18	In sides of waist.	m ²	4						
GR 3 - 19	In 250 mm thick thread.	m	16						
GR 3 - 20	In 200 mm thick risers.	m	16						
	From Ground Floor level to Roof Level								
GR 3 - 21	In sides and soffit of roof beams.	m ²	184						
GR 3 - 22	In sides of columns.	m ²	70						
	Reinforcement								
	Rate to include for supply, cutting and bending, storing, erection, placing in position and tied with GI binding wire.								
	Up to Ground Floor Level								
	Tor Steel Reinforcement								
	Basement								
GR 3 - 23	12 mm Dia.	Mt	8						
	Walls								
GR 3 - 24	12 mm Dia.	Mt	8.5						
	Columns								
GR 3 - 25	16 mm Dia.	Mt	0.3						
	Total of Page A - 108 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs /cts	Local Component Rs/cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs /cts
GR3 - 26	12 mm Dia	Mt	0.2						
GR3 - 27	10mm Dia. As stirrups	Mt	0.2						
	Beams								
GR 3 - 28	25 mm Dia	Mt	0.3						
GR 3 - 29	20 mm Dia	Mt	0.5						
GR 3 - 30	16mm Dia	Mt	0.3						
GR 3 - 31	12 mm Dia	Mt	0.1						
GR 3 - 32	10mm Dia. As stirrups.	Mt	0.3						
	Ground Floor Slab								
GR 3 - 33	12 mm Dia.	Mt	0.2						
GR 3 - 34	10mm Dia.	Mt	0.6						
	From Ground Floor Level to roof level								
	Columns								
GR 3 - 35	16 mm Dia	Mt	0.4						
GR 3 - 36	12 mm Dia	Mt	0.2						
GR 3 - 37	10mm Dia. As stirrups	Mt	0.23						
	Total of Page A - 109 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Beams								
GR 3 - 38	25 mm Dia.	Mt	0.2						
GR 3 - 39	20 mm Dia.	Mt	0.5						
GR 3 - 40	16mm Dia.	Mt	0.7						
GR 3 - 41	12 mm Dia.	Mt	0.3						
GR 3 - 42	10mm Dia. As stirrups.	Mt	0.5						
	Masonry Work								
GR 3 - 43	225 mm thick brick work in cement sand mortar 1:6 in walls	m ²	220						
GR 3 - 44	150 x 150 mm deep drain, side & bottom in common bricks in cement sand mortar 1:6 and internal surfaces cement rendered and finished smooth to falls. Rate to include for 1.2 m wide pavement.	m	85						
	Roof work								
GR 3 - 45	Corrugated asbestos sheets lay on steel frame work. Rate shall include 50mm thick insulation with aluminum foil on both sides supported of wire mesh. Steel frame measured separately.	m ²	295						
GR 3 - 46	50 mm. Thick insulation with aluminium foil both sides supported on wire mesh	m ²	295						
	<i>Total of Page A - 110 Carried to Bill Summary</i>								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 3 - 47	225 x 25 mm valance board & barge board in class I timber fixed complete. Rate to include for applying two coats of approved wood preservative & one under coat & two finishing coats of gloss enamel paint to all timber work.	m	87						
GR 3 - 48	Half round asbestos ridge tiles bedded with cement lime sand 1:1:6 mortar	m	40						
GR 3 - 49	600 mm wide valley gutter fix as per Engineers instructions.	m	12						
	Structural Steel Work								
GR 3 - 50	152 x 64 x 10 -25 mm galvanized lipped 'C' purlins anchored to concrete beams.	m	300						
GR 3 - 51	12 mm Dia. Mild steel tie rods fix to center span of each bays.	m	66						
GR 3 - 52	Supply and fix steel girder with supports including 1.5 Tonne gyred chain block depicted in drawing.as per Engineers instructions.	Item							
GR 3 - 53	Angle iron birding to edge of the roof.	m	45						
	Surface Finishes								
	Up to Ground Floor level								
GR 3 - 54	16mm thick cement sand lime mortar (1:1:5)to wall finished with semi rough.	m ²	265						
GR 3 - 55	Ditto - to columns.	m ²	61						
	Total of Page A - 111 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Ground Floor level to roof level								
GR 3 - 56	External plastering 20mm thick in cement lime and sand 1:1:5 to walls finished semi rough. Rate to include for door and window reveals.	m ²	234						
GR 3 - 57	Internal plastering 16mm thick in cement lime and sand 1:1:5 to walls finished smooth with lime putty. Rate to include for door and window reveals.	m ²	228						
GR 3 - 58	Ditto - soffit of ground floor slab.	m ²	79						
GR 3 - 59	Ditto - sides of beams.	m ²	48						
	Paving								
GR 3 - 60	Cement rendering in floors 20mm average thick cement sand mortar 1:3 finished rough in basement floor.	m ²	193						
GR 3 - 61	Cement rendering in floors 20mm average thick cement sand mortar 1:3 finished smooth with red cement float to ground floor.	m ²	79						
GR 3 - 62	Ditto - skirting	m	78						
GR 3 - 63	Apply XYPEX or equivalent water proofing system to chamber base and walls.	m ²	356						
	Total of Page A - 112 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<p><u>Joinery</u></p> <p>Rate to include supply and fixing doors & windows as depicted in Drawings applying two coats of wood preservative, one under coat & two finishing coats of approved gloss enamel paint to all timber work and providing heavy quality brass fittings and fixing such as butt hinges, barrel bolts, casement stays, and mortice lock of approved make.</p> <p>All windows to be provided with MS grill work fixed onto the frame, complete with one under coat and two finishing coats of gloss enamel paint</p> <p>All timber used for doors, windows & fan lights should be of class 1 timber and all doors, windows and fan lights should complete with timber frame</p>								
GR 3 - 64	Panelled door overall size 1000 x 2000mm (Type D2)	Nr	1						
GR 3 - 65	Glazed window with slats on top overall size 1800 x 1800mm (Type W1)	Nr	15						
GR 3 - 66	Aluminium roller shutter door (Type RD) as per manufacturer detail complete with locking devise, hinges etc.	Nr	2						
	<p><u>Rainwater Disposal</u></p> <p>Rain water should dispose to the drain around the building and connect to the waste water line.</p>								
GR 3 - 67	150mm dia half round PVC gutter with PVC bracket fixed on the valance board at 600 mm centers.	m	71						
	Total of Page A - 113 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 3 - 68	90mm dia PVC down pipe with necessary fittings bends, shoe, gutter heads etc., fixed complete to the wall	m	36						
	Painting								
GR 3 - 69	Apply one under coat & two finishing coats of approved weather proof emulsion paint on all surfaces of external walls	m ²	234						
GR 3 - 70	Apply one under coat & two finishing coats of approved emulsion paint on all surfaces of internal walls	m ²	228						
GR 3 - 71	Ditto - to soffit of ground floor slab.	m ²	79						
GR 3 - 72	Ditto - to sides of ground floor beams.	m ²	48						
	Electrical Installation								
	Rate to include for all materials (all uPVC conduits and wiring as specified, fitting of approved make & approved by the Engineer) supplied, fixed and complete to the working order as depicted in Drawings and directed by the Engineer.								
GR 3 - 73	Allow for electrical wiring lamps, socket outlet, fluorescent luminaries, lightning protection system etc., all complete to working order as depicted in Drgn. Nos.	Item							
	Miscellaneous work								
GR 3 - 74	Supply and fix hand rail as per detail drawings.	m	74						
	<i>Total of Page A - 114 Carried to Bill Summary</i>								

THE PROJECT FOR THE REDUCTION OF NON - REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO . MK/GR-3 : CONSTRUCTION OF NEW VALVE CHAMBER

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Thrust block Rate to include for supplying and placing concrete (with temperature control) reinforcement, formwork and curing as specified								
GR 3 - 75	In 1400 x 1400 x 1800 mm. Ave high thrust block type I	Nr	7						
GR 3 - 76	In 1400 x 675x 1800 mm. Ave high thrust block type II	Nr	3						
GR 3 - 77	In 1700 x 2100 x 1800 mm. Ave high thrust block type III	Nr	1						
Total of Page A - 115 Carried to Bill Summary									

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/GR-3 SUM

CONSTRUCTION OF NEW VALVE CHAMBER

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 3	Page A - 106 of Bill GR 3			
	Page A - 107 of Bill GR 3			
	Page A - 108 of Bill GR 3			
	Page A - 109 of Bill GR 3			
	Page A - 110 of Bill GR 3			
	Page A - 111 of Bill GR 3			
	Page A - 112 of Bill GR 3			
	Page A - 113 of Bill GR 3			
	Page A - 114 of Bill GR 3			
	Page A - 115 of Bill GR 3			
MK/GR-3	Total of MK/GR-3 Summary to MK/GR Grand Summary			

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-4 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
	<p>All pipes (except flange pipes) shall be Class-K9 Flange pipes and All fittings except Tees shall be Class-K12 All Tees shall be Class-K14 All Flanges shall be of PN 16</p> <p>Supply and Delivery at site all DI pipes, fittings, valves & specials including rubber rings, lubricant, gaskets, bolts & nuts, Denso primer, paste, protection tape and all other associated material required for complete installation.</p> <p><u>From Existing Reservoir</u></p>								
GR 4 - 1	1000 mm Coupling	Nr	1						
GR 4 - 2	1000 mm PE Pipe with Puddle Flange 2840 mm long	Nr	1						
GR 4 - 3	1000 mm Flange Adapter	Nr	11						
GR 4 - 4	1000 mm equal Flanged Tee	Nr	7						
GR 4 - 5	1000 mm dia F/PE Pipe Piece 800 mm long	Nr	2						
GR 4 - 6	1000 mm dia F/PE Pipe Piece 810 mm long	Nr	2						
GR 4 - 7	1000 mm dia F/PE Pipe Piece 715 mm long	Nr	1						
GR 4 - 8	1000 mm dia F/PE Pipe Piece 740 mm long	Nr	2						
GR 4 - 9	1000 mm - 300 mm Flanged Tee	Nr	4						
	Total of Page A - 117 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-4 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 4 - 10	1000mm 90 deg Flanged Bend	Nr	1						
GR 4 - 11	300 mm x 150 mm Flanged Taper	Nr	1						
GR 4 - 12	1000 mm P/E Pipe Piece 2430 mm long	Nr	1						
GR 4 - 13	1000 mm F/PE Pipe Piece 1065 mm long	Nr	1						
GR 4 - 14	1000 mm dia DF Pipe Piece 3600 mm long with Puddle Flange	Nr	1						
GR 4 - 15	1000 mm Blank Flange	Nr	1						
	From 27 " to 30" By Pass								
GR 4 - 16	1000 mm x 800 mm Flanged Taper	Nr	1						
GR 4 - 17	800 mm Flanged Adapter	Nr	1						
GR 4 - 18	800 mm PE Pipe with Puddle Flange 2760 mm long	Nr	1						
GR 4 - 19	800 mm Coupling	Nr	1						
	To 10" old Dematagoda								
GR 4 - 20	300 mm x 250 mm Flanged Taper	Nr	1						
GR 4 - 21	250 mm dia 1125 mm long D/F Pipe Piece	Nr	1						
GR 4 - 22	250 mm Flanged Adapter	Nr	1						
	Total of Page A - 118 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-4 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 4 - 23	250 mm PE Pipe with Puddle Flange 2270 mm long	Nr	1						
GR 4 - 24	250 mm Coupling	Nr	1						
	<u>To New Dematagoda</u>								
GR 4 - 25	300 mm dia 1550 mm long D/F Pipe Piece	Nr	1						
GR 4 - 26	300 mm Flanged Adaptor	Nr	1						
GR 4 - 27	300 mm PE Pipe with Puddle Flange 1950 mm long	Nr	1						
GR 4 - 28	300 mm Coupling	Nr	1						
	<u>To 20" Existing Colombo Fort</u>								
GR 4 - 29	1000 mm x 500 mm Flanged Taper	Nr	1						
GR 4 - 30	500 mm Flanged Adapter	Nr	1						
GR 4 - 31	500 mm PE Pipe with Puddle Flange 2080 mm long	Nr	1						
GR 4 - 32	500 mm Coupling	Nr	1						
	<u>To 27" Existing St. Sebastian</u>								
GR 4 - 33	1000 mm x 700 mm Flanged Taper	Nr	1						
GR 4 - 34	700 mm dia 500 mm long D/F Pipe Piece	Nr	1						
	Total of Page A - 119 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-4 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 4 - 35	700 mm Flanged Adapter	Nr	1						
GR 4 - 36	700 mm PE Pipe with Puddle Flange 2030 mm long	Nr	1						
GR 4 - 37	700 mm Coupling	Nr	1						
	<u>To 20" Existing Kirulapone</u>								
GR 4 - 38	1000 mm x 500 mm Flanged Taper	Nr	1						
GR 4 - 39	500 mm Flanged Adapter	Nr	1						
GR 4 - 40	500 mm PE Pipe with Puddle Flange 2240 mm long	Nr	1						
GR 4 - 41	500 mm Coupling	Nr	1						
	<u>From New Circular Tank</u>								
GR 4 - 42	1000 mm x 800 mm Flanged Taper	Nr	1						
GR 4 - 43	800 mm dia 1200 mm long D/F Pipe Piece	Nr	1						
GR 4 - 44	800 mm Flanged Adapter	Nr	1						
GR 4 - 45	800 mm PE Pipe with Puddle Flange 2237 mm long	Nr	1						
GR 4 - 46	800 mm Coupling	Nr	1						
	Total of Page A - 120 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-4 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
	<u>To Old Borella 30"</u>								
GR 4 - 47	1000 mm x 800 mm Flanged Taper	Nr	1						
GR 4 - 48	800 mm dia 1200 mm long D/F Pipe Piece	Nr	1						
GR 4 - 49	800 mm Flanged Adapter	Nr	1						
GR 4 - 50	800 mm PE Pipe with Puddle Flange 2200 mm long	Nr	1						
GR 4 - 51	800 mm Coupling	Nr	1						
	<u>To Mount Mary</u>								
GR 4 - 52	300 mm x 250 mm Flanged Taper	Nr	1						
GR 4 - 53	250 mm dia 1650 mm long D/F Pipe Piece	Nr	1						
GR 4 - 54	250 mm Flanged Adapter	Nr	1						
GR 4 - 55	250 mm PE pipe with Puddle Flange 2400 mm long	Nr	1						
GR 4 - 56	250 mm Coupling	Nr	1						
	<u>From Existing Circular Tank</u>								
GR 4 - 57	1000 mm x 800 mm Flanged Taper	Nr	1						
GR 4 - 58	800 mm D/F Pipe Piece, 1200mm long	Nr	1						
	Total of Page A - 121 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-4 : SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. RS./Cts.
GR 4 - 59	800 mm Flanged Adapter	Nr	1						
GR 4 - 60	800 mm PE Pipe with Puddle Flange 2165 mm long	Nr	1						
GR 4 - 61	800 mm Coupling	Nr	1						
	Supply of Valves								
GR 4 - 62	1000 mm Butterfly Valve with Extension Stem	Nr	2						
GR 4 - 63	800 mm Butterfly Valve with Extension Stem	Nr	4						
GR 4 - 64	700 mm Butterfly Valve with Extension Stem	Nr	1						
GR 4 - 65	500 mm Butterfly Valve with Extension Stem	Nr	2						
GR 4 - 66	150 Double Orifice Air Valve	Nr	1						
GR 4 - 67	250 mm Gate Valve with Extension Stem	Nr	2						
GR 4 - 68	300 mm Gate Valve with Extension Stem	Nr	1						
	Total of Page A - 122 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/GR-4 SUM

SUPPLY AND DELIVERY OF DI PIPES AND FITTINGS FOR VALVE HOUSE

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 4	Page A - 117 of Bill GR 4			
	Page A - 118 of Bill GR 4			
	Page A - 119 of Bill GR 4			
	Page A - 120 of Bill GR 4			
	Page A - 121 of Bill GR 4			
	Page A - 122 of Bill GR 4			
MK/GR-4	Total of MK/GR-4 Summary to MK/GR Grand Summary			

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Rate to include for laying & installation of DI pipes, fittings, valves, specials, pipe cutting, pipe bedding, thrust blocks, anchor blocks, concrete surrounding, pipe brackets, supports etc. and including excavation, shoring, dewatering and backfilling where necessary, construction of chambers, DI manhole covers etc., connecting to existing line, cutting existing lines, complete as depicted in drawing complete.								
	<u>Inlet to New Reservoir</u>								
GR 5 - 1	600mm Flanged Bell Mouth	Nr	1						
GR 5 - 2	600mm D/F Pipe 3000mm long	Nr	3						
GR 5 - 3	600 mm dia F/PE Pipe 2790 mm long	Nr	1						
GR 5 - 4	600 mm D/F Pipe 2000 mm long with Puddle Flange	Nr	1						
GR 5 - 5	600 mm D/F Bend	Nr	1						
GR 5 - 6	600 mm dia 2650 mm long F/PE Pipe Piece	Nr	1						
GR 5 - 7	600 mm dia Coupling	Nr	3						
GR 5 - 8	600 mm dia P/E Pipe Piece 3085 mm long	Nr	1						
GR 5 - 9	600 mm dia 1000 mm long F/PE Pipe Piece with Puddle Flange	Nr	1						
GR 5 - 10	600 mm dia 1220 mm long F/PE Pipe Piece with Puddle Flange	Nr	1						
	Total of Page A - 124 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 5 - 11	600 mm dia Flange Adapter for DI Pipe	Nr	2						
GR 5 - 12	600 mm dia P/E Pipe Piece 2000 mm long	Nr	1						
GR 5 - 13	600 mm 45° Socketted Bend	Nr	2						
GR 5 - 14	600 mm dia Butterfly Valve	Nr	1						
GR 5 - 15	600 mm dia 3210 mm long F/PE Pipe Piece	Nr	1						
GR 5 - 16	600 mm dia F/PE Pipe 3430 mm long	Nr	1						
GR 5 - 17	800 mm x 600 mm dia Double Flanged taper	Nr	1						
GR 5 - 18	800 mm x 30 inch Flange Adapter for Steel Pipe	Nr	1						
GR 5 - 19	800 mm x 800 mm dia All Flanged Tee	Nr	2						
GR 5 - 20	800 mm dia 1000 mm long F/PE Pipe Piece	Nr	1						
GR 5 - 21	30 inch Steel x 800 mm DI Stepped Coupling	Nr	1						
GR 5 - 22	600 mm So/Sp Pipes, 5500 mm long	Nr	3						
	Outlet from New Reservoir								
GR 5 - 23	800 mm Flanged Bell Mouth	Nr	1						
GR 5 - 24	800 mm D/F Pipe 3000 mm long	Nr	1						
	Total of Page A - 125 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 5 - 25	800 mm D/F Pipe 900 mm long with Puddle Flange	Nr	1						
GR 5 - 26	800 mm dia 90° Double Flange Bend	Nr	1						
GR 5 - 27	800 mm dia 3000 mm long F/PE Pipe Piece	Nr	1						
GR 5 - 28	800 mm Coupling	Nr	3						
GR 5 - 29	800 mm dia 2540 mm long F/PE Pipe Piece	Nr	1						
GR 2 - 30	800 mm dia 1230 mm long F/PE Pipe piece with Puddle Flange	Nr	1						
GR 5 - 31	800 mm dia Flange Adapter for DI Pipe	Nr	1						
GR 5 - 32	800 mm dia Butterfly Valve	Nr	1						
GR 5 - 33	800 mm 45° Socketted Bend	Nr	2						
GR 5 - 34	800 mm dia 1800 mm long F/PE Pipe Piece	Nr	1						
GR 5 - 35	800 mm dia 1930 mm long F/PE Pipe Piece with Puddle Flange	Nr	1						
GR 5 - 36	800 mm dia 1800 mm long F/PE Pipe Piece	Nr	1						
GR 5 - 37	800 mm dia 1000 mm long F/PE Pipe Piece	Nr	1						
GR 5 - 38	800 mm So/Sp Pipes, 5500 mm long	Nr	4						
	Total of Page A - 126 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 5 - 39	800 mm dia Pipe Piece 2235 mm long	Nr	1						
GR 5 - 40	800 mm dia Pipe Piece 2400 mm long	Nr	1						
GR 5 - 41	800 mm dia Pipe Piece 2420 mm long	Nr	1						
	<u>Overflow from New Reservoir</u>								
GR 5 - 42	400 mm dia Flanged Bell Mouth	Nr	1						
GR 5 - 43	400 mm dia D/F Pipe, 3000 mm long	Nr	2						
GR 5 - 44	400 mm dia D/F Pipe 2800 mm long	Nr	2						
GR 2 - 45	400 mm dia Flange Adapter	Nr	1						
GR 2 - 46	400 mm dia D/F Pipe 2000 mm long with Puddle Flange	Nr	1						
GR 5 - 47	400 mm dia, 90° Flanged Bend	Nr	1						
GR 2 - 48	400 mm dia D/F Pipe 2000 mm long	Nr	1						
GR 5 - 49	400 mm dia F/PE Pipe Piece 1620 mm long	Nr	1						
GR 5 - 50	400 mm dia Coupling	Nr	3						
GR 2 - 51	400 mm dia P/E Pipe 2000 mm long	Nr	1						
GR 2 - 52	400 mm dia P/E Pipe 1550 mm long with Puddle Flange	Nr	1						
	Total of Page A - 127 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>Washout from New Reservoir</u>								
GR 5 - 53	300 mm dia Flanged Bell Mouth	Nr	1						
GR 5 - 54	300 mm DF Pipe with Puddle Flange 500 mm long	Nr	1						
GR 5 - 55	300 mm x 90 o Flanged Bend	Nr	2						
GR 5 - 56	300 mm DF Pipe 5000 mm long	Nr	5						
GR 5 - 57	300 mm F/PE Pipe Piece 1925 mm long	Nr	1						
GR 5 - 58	300 mm dia. Coupling	Nr	2						
GR 5 - 59	300 mm F/PE Pipe Piece 2225 mm long	Nr	1						
GR 5 - 60	300 mm DF Pipe 1700 mm long	Nr	1						
GR 5 - 61	300 mm F/PE Pipe Piece 3000 mm long	Nr	1						
GR 5 - 62	300 mm F/PE Pipe Piece 2200 mm long with Puddle Flange	Nr	1						
GR 5 - 63	300 mm dia Gate Valve with Extension Stem	Nr	1						
	<u>30" Steel to Borella</u>								
GR 5 - 64	800 mm dia 45° Socketted Bend	Nr	2						
GR 5 - 65	30" Steel x 800 DI Stepped Coupling	Nr	1						
	Total of Page A - 128 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 5 - 66	800 mm dia So/Sp Pipes, 5500 mm long	Nr	1						
GR 2 - 67	800 mm dia P/E Pipe 3225 mm long	Nr	1						
GR 2 - 68	800 mm dia P/E Pipe 5325 mm long	Nr	1						
GR 2 - 69	800 mm dia P/E Pipe 1000 mm long	Nr	1						
	30" Steel Bypass								
GR 5 - 70	800 mm dia 45° Socketted Bend	Nr	2						
GR 5 - 71	800 mm Flange Adapter	Nr	1						
GR 5 - 72	800 mm Flange equal Tee	Nr	1						
GR 5 - 73	800 mm dia 11 1/4° Socketted Bend	Nr	1						
GR 5 - 74	30"Steel x 800 DI stepped Coupling	Nr	1						
GR 5 - 75	800 mm dia So/Sp Pipes, 5500 mm long	Nr	2						
GR 5 - 76	800mm x 700 mm Flanged taper	Nr	1						
GR 5 - 77	700mm dia Flange Adapter	Nr	1						
GR 5 - 78	27"Steel x 700mm dia DI Stepped Coupling	Nr	1						
GR 5 - 79	800 mm dia P/E Pipe Piece 700 mm long	Nr	1						
	Total of Page A - 129 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 5 - 80	800 mm dia P/E Pipe Piece 2130 mm long	Nr	1						
GR 5 - 81	800 mm dia P/E Pipe Piece 1210 mm long	Nr	1						
GR 5 - 82	800 mm dia F/PE Pipe Piece 960 mm long	Nr	1						
GR 5 - 83	800 mm dia P/E Pipe Piece 1000 mm long	Nr	1						
GR 5 - 84	700 mm dia P/E Pipe Piece 1500 mm long with Puddle Flange	Nr	1						
	10" Dematagoda								
GR 5 - 85	250 mm x 45° Socketted Bend	Nr	3						
GR 5 - 86	10" x 250 mm dia DI Stepped Coupling	Nr	1						
GR 2 - 87	250 mm dia P/E Pipe Piece 1380 mm long	Nr	1						
GR 2 - 88	250 mm dia P/E Pipe Piece 1760 mm long	Nr	1						
GR 2 - 89	250 mm long P/E Pipe Piece 3890 mm long	Nr	1						
GR 2 - 90	250 mm dia P/E Pipe Piece 2540 mm long	Nr	1						
GR 2 - 91	250 mm dia S/S Pipe Piece 2725 mm long	Nr	1						
GR 5 - 92	250 mm dia So/Sp Pipes, 5500 mm long	Nr	5						
	Total of Page A - 130 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>20" Huilsdorf Main</u>								
GR 5 - 93	500 mm x 45° Socketted Bend	Nr	3						
GR 5 - 94	20" x 500 mm dia DI Stepped Coupling	Nr	1						
GR 5 - 95	500 mm dia P/E Pipe Piece 1500 mm long	Nr	1						
GR 5 - 96	500 mm dia P/E Pipe Piece 1570 mm long	Nr	1						
GR 5 - 97	500 mm dia P/E Pipe Piece 2050 mm long	Nr	1						
GR 5 - 98	500 mm dia P/E Pipe Piece 2000 mm long	Nr	1						
	<u>27" CI Kollupitiya Main</u>								
GR 5 - 99	700 mm x 45° Socketted Bend	Nr	3						
GR 5 - 100	27" x 700 mm dia DI Stepped Coupling	Nr	1						
GR 5 - 101	700 mm dia P/E Pipe Piece 960 mm long	Nr	1						
GR 5 - 102	700 mm dia P/E Pipe Piece 1515 mm long	Nr	1						
GR 5 - 103	700 mm dia P/E Pipe Piece 2000 mm long	Nr	1						
GR 5 - 104	700 mm dia P/E Pipe Piece 4980 mm long	Nr	1						
	Total of Page A - 131 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>20" Steel Fort Main</u>								
GR 5 - 105	500 mm dia 45° Socketted Bend	Nr	3						
GR 5 - 106	500 mm dia 22 1/2° Socketted Bend	Nr	1						
GR 5 - 107	20" x 500 mm dia DI Stepped Coupling	Nr	1						
GR 5 - 108	500 mm dia So/Sp Pipes, 5500 mm long	Nr	3						
GR 5 - 109	500 mm dia P/E Pipe Piece 1920 mm long	Nr	1						
GR 5 - 110	500 mm dia P/E Pipe Piece 2250 mm long	Nr	1						
GR 5 - 111	500 mm dia P/E Pipe Piece 2610 mm long	Nr	1						
GR 5 - 112	500 mm dia P/E Pipe Piece 3245 mm long	Nr	1						
GR 5 - 113	500 mm dia P/E Pipe Piece 5050 mm long	Nr	1						
	<u>40" Steel Main</u>								
GR 5 - 114	1000mm dia 90° Socketted Bend	Nr	1						
GR 5 - 115	1000mmdia 45° Socketted Bend	Nr	1						
GR 5 - 116	1000mm Coupling	Nr	1						
GR 5 - 117	1000 mm dia Adaptor for DI Pipe	Nr	1						
	Total of Page A - 132 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 5 - 118	1000 mm Flange Adapter for steel(Flange 1000mm,NP16)	Nr	1						
GR 5 - 119	1000 mm 45 deg Flanged Bend	Nr	1						
GR 5 - 120	1000 mm SS Pipes 5500 mm long	Nr	4						
GR 5 - 121	1000 mm dia P/E Pipe Piece 2700 mm long	Nr	1						
GR 5 - 122	1000 mm dia P/E Pipe Piece 6560 mm long	Nr	1						
GR 5 - 123	1000 mm dia D/F Pipe Piece 1500 mm long with Puddle Flange	Nr	2						
GR 5 - 124	1000 mm dia F/PE Pipe Piece 2000 mm long with Clamp on External Flow Meter	Nr	1						
GR 5 - 125	1000 mm dia F/PE Pipe Piece 2000 mm long	Nr	1						
GR 5 - 126	1000 mm dia F/PE Pipe Piece 2300 mm long	Nr	1						
GR 5 - 127	1000 mm dia F/PE Pipe Piece 2710 mm long	Nr	1						
	Connection to Mt. Mary								
GR 5 - 128	250 mm dia So/Sp Pipes,	Nr	13						
GR 5 - 129	250 mm dia 45o Socketted Bend	Nr	3						
GR 5 - 130	250mm dia 11 1/4o Socketted Bend	Nr	1						
GR 5 - 131	250mm x 10" Steel Step Coupling	Nr	1						
	Total of Page A - 133 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 5 - 132	250 mm dia DI F/PE Pipe Piece 2000 mm long with Puddle Flange	Nr	2						
GR 5 - 133	250 mm dia DI F/PE Pipe Piece 2000 mm long with Clamp	Nr	1						
GR 5 - 134	250 mm dia Flange Adapter	Nr	1						
GR 5 - 135	250 mm dia VJ Coupling	Nr	2						
	<u>30" Outlet of Existing Circular Reservoir</u>								
GR 5 - 136	800 mm dia So/Sp Pipes	Nr	19						
GR 5 - 137	800 mm dia 45o Socketted Bend	Nr	3						
GR 5 - 138	800 mm x 800 mm Flanged Tee	Nr	1						
GR 5 - 139	800 mm VJFA	Nr	3						
GR 5 - 140	VJFA for steel 30" (Flange 800mm, NP16)	Nr	1						
GR 5 - 141	800 mm dia Flanged Butterfly Valve	Nr	1						
GR 5 - 142	800 mm dia F/PE Pipe 1800 mm long with Puddle Flange at 650 mm away from the flanged end	Nr	1						
GR 5 - 143	800 mm DI/30" Steel Stepped Coupling	Nr	1						
GR 5 - 144	800 mm dia. P/E Pipe Piece 1600 mm long with Puddle Flange	Nr	1						
	Total of Page A - 134 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-5 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR YARD PIPING

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen.	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	<u>New 300 DI to Dematagoda</u>								
GR 5 - 145	300 mm dia So/Sp Pipes	Nr	29						
GR 5 - 146	300 mm dia x 45° Socketted Bend	Nr	5						
GR 5 - 147	300 mm dia x 90° Socketted Bend	Nr	1						
GR 5 - 148	300 mm dia VJ Coupling	Nr	1						
GR 5 - 149	300 mm dia F/PE Pipe Piece with Clamp on external Flow Meter	Nr	1						
GR 2 - 150	300 mm dia F/PE Pipe Piece 2000 mm long with Puddle Flange at mm	Nr	1						
GR 2 - 151	300 mm dia Flange Adapter for DI Pipe	Nr	1						
	Total of Page A - 135 Carried to Bill Summary								

THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

SUMMARY OF BILL OF QUANTITIES

BILL NO : MK/GR-5 SUM

LAYING AND INSTALLATION OF DI PIPES AND FITTINGS - YARD PIPING

ITEM No.	PAGE TOTAL	TOTAL AMOUNT		
		Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 5	Page A - 124 of Bill GR 5			
	Page A - 125 of Bill GR 5			
	Page A - 126 of Bill GR 5			
	Page A - 127 of Bill GR 5			
	Page A - 128 of Bill GR 5			
	Page A - 129 of Bill GR 5			
	Page A - 130 of Bill GR 5			
	Page A - 131 of Bill GR 5			
	Page A - 132 of Bill GR 5			
	Page A - 133 of Bill GR 5			
	Page A - 134 of Bill GR 5			
	Page A - 135 of Bill GR 5			
MK/GR-5	Total of MK/GR-5 Summary to MK/GR Grand Summary			

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-6 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
	Rate to include for laying & installation of DI pipes, fittings, valves, specials, pipe cutting, pipe bedding, thrust blocks, anchor blocks, concrete surrounding, pipe brackets, supports etc. and including excavation, shoring, dewatering and backfilling where necessary, construction of chambers, DI manhole covers etc., connecting to existing line, cutting existing lines, complete as depicted in drawing complete.								
	<u>From Existing Reservoir</u>								
GR 6 - 1	1000 mm Coupling	Nr	1						
GR 6 - 2	1000 mm PE Pipe with Puddle Flange 2840 mm long	Nr	1						
GR 6 - 3	1000 mm Flange Adapter	Nr	11						
GR 6 - 4	1000 mm equal Flanged Tee	Nr	7						
GR 4 - 5	1000 mm dia F/PE Pipe Piece 800 mm long	Nr	2						
GR 4 - 6	1000 mm dia F/PE Pipe Piece 810 mm long	Nr	2						
GR 4 - 7	1000 mm dia F/PE Pipe Piece 715 mm long	Nr	1						
GR 4 - 8	1000 mm dia F/PE Pipe Piece 740 mm long	Nr	2						
GR 6 - 9	1000 mm - 300 mm Flanged Tee	Nr	4						
GR 6 - 10	1000mm 90 deg Flanged Bend	Nr	1						
	Total of Page A - 137 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-6 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 6 - 11	300 mm x 150 mm Flanged Taper	Nr	1						
GR 6 - 12	1000 mm P/E Pipe Piece 2430 mm long	Nr	1						
GR 6 - 13	1000 mm dia DF Pipe Piece 3600 mm long with Puddle Flange	Nr	1						
GR 6 - 14	1000 mm F/PE Pipe Piece, 1065 mm long	Nr	1						
GR 6 - 15	1000 mm Blank Flange	Nr	1						
	<u>From 27 " to 30" By Pass</u>								
GR 6 - 16	1000 mm x 800 mm Flanged Taper	Nr	1						
GR 6 - 17	800 mm Flanged Adapter	Nr	1						
GR 6 - 18	800 mm PE Pipe with Puddle Flange, 2760 mm long	Nr	1						
GR 6 - 19	800 mm Coupling	Nr	1						
	<u>To 10" old Dematagoda</u>								
GR 6 - 20	300 mm x 250 mm Flanged Taper	Nr	1						
GR 6 - 21	250 mm dia 1125 mm long D/F Pipe Piece	Nr	1						
GR 6 - 22	250 mm Flanged Adapter	Nr	1						
GR 6 - 23	250 mm PE Pipe with Puddle Flange, 2270 mm long	Nr	1						
	Total of Page A - 138 Carried to Bill Summary								

THE PROJECT FOR REDUCTION OF NON REVENUE WATER IN THE GREATER COLOMBO AREA

BILL OF QUANTITIES

BILL NO : MK/GR-6 : LAYING AND INSTALLATION OF DI PIPES AND FITTINGS FOR VALVE HOUSE

MALIGAKANDA NEW RESERVOIR

ITEM No.	ITEM DESCRIPTION	UNIT	QTY	RATE			TOTAL AMOUNT		
				Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts	Local Component Rs./cts	Foreign Component Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs./cts
GR 6 - 24	250 mm Coupling To New Dematagoda	Nr	1						
GR 6 - 25	300 mm dia 1550 mm long D/F Pipe Piece	Nr	1						
GR 6 - 26	300 mm Flanged Adaptor	Nr	1						
GR 6 - 27	300 mm PE Pipe with Puddle Flange, 1950 mm long	Nr	1						
GR 6 - 28	300 mm Coupling To 20" Existing Colombo Fort	Nr	1						
GR 6 - 29	1000 mm x 500 mm Flanged Taper	Nr	1						
GR 6 - 30	500 mm Flanged Adapter	Nr	1						
GR 6 - 31	500 mm PE Pipe with Puddle Flange 2080 mm long	Nr	1						
GR 6 - 32	500 mm Coupling To 27" Existing St. Sebastian	Nr	1						
GR 6 - 33	1000 mm x 700 mm Flanged Taper	Nr	1						
GR 6 - 34	700 mm dia 500 mm long D/F Pipe Piece	Nr	1						
GR 6 - 35	700 mm Flanged Adapter	Nr	1						
	Total of Page A - 139 Carried to Bill Summary								