

11 JAN 2017

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Manila

097.13 DPWH
01-13-2017

DEPARTMENT ORDER)

**SUBJECT: Revised Standardized Pay Items of
Works for Civil Works Construction
for Infrastructure Projects**

05

NO. _____
Series of 2017 *Dr. 13.17*

To ensure uniformity in the application/adoption of the Pay Item Numbers for Pay Items of Work involved in the preparation of the Design Plans and Quantities, Programs of Works (POW) and Approved Budget for the Contract (ABC) for Infrastructure Projects nationwide, a revised Standard Pay Item List is hereby prescribed (**Annex "A"**) for various pay items based on the DPWH Standard Specifications for Highways, Bridges and Airports (Volume II) and Buildings & Flood Control (Volume III), to include pay items subscript based on different dimensions/sizes, classifications, types and unit of measures for an item. This Standard Pay Item List incorporates some pay items not yet included in the Blue Book but are deemed necessary in the actual project implementation.

Henceforth, all implementing offices of the Department are hereby directed to adopt the standardized Pay Item of Work in the preparation of Design Plans and Quantities, Program of Works (POW) and Approved Budget for the Contract (ABC) for all infrastructure projects for CY 2016 Program and onwards wherein said Standard Pay Items are the basis in the project monitoring under the Project Contract Management Application (PCMA), with the following considerations:

- For projects already bid out/awarded/contracted, change of pay items number description/unit of measure to conform with the standard pay items shall be effected with the approval of the Head of Implementing Office (IO);
- For projects with already approved Plans, POW & ABC, change of pay items number description/unit of measure to conform with the standard pay items shall be effected with the approval of the Head of Implementing Office, prior to the bidding;
- For items of work not yet included in the Standard Pay Item List, the Head of IO shall seek first the approval of the Bureau of Research and Standards (BRS), prior to its adoption.

This Order supersedes Department Order 96, Series of 2016 and shall take effect immediately.


MARK A. VILLAR
Secretary

Department of Public Works and Highways
Office of the Secretary



WIN7W01984



DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

**STANDARDIZED PAY ITEMS OF WORK
FOR CONSTRUCTION OF
INFRASTRUCTURE PROJECTS
(Department Order No. 05, Series of 2017)**

January 2017

VOLUME II

**STANDARD SPECIFICATIONS
FOR HIGHWAYS BRIDGES
AND AIRPORTS**

PART A - FACILITIES FOR THE ENGINEER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
A.1.1 Offices and Laboratory for the Engineer						
A.1.1 (1)		Construction of Combined Field Office, Laboratory and Living Quarters Building for the Engineer				Lump Sum
A.1.1 (2)		Construction of Combined Field Office and Laboratory Building for the Engineer				Lump Sum
A.1.1 (3)		Construction of Field Office for the Engineer				Lump Sum
A.1.1 (4)		Construction of Field Laboratory for the Engineer				Lump Sum
A.1.1 (5)		Construction of Living Quarters for the Engineer				Lump Sum
A.1.1 (6)		Provision of Combined Field Office, Laboratory and Living Quarters Building for the Engineer (Rental Basis)				Month
A.1.1 (7)		Provision of Combined Field Office and Laboratory Building for the Engineer (Rental Basis)				Month
A.1.1 (8)		Provision of Field Office for the Engineer (Rental Basis)				Month
A.1.1 (9)		Provision of Laboratory for the Engineer (Rental Basis)				Month
A.1.1 (10)		Provision of Living Quarters for the Engineer (Rental Basis)				Month
A.1.1 (11)		Provision of Furnitures/Fixtures, Equipment & Appliances for the Field Office for the Engineer				Lump Sum
A.1.1 (12)		Provision of Furnitures/Fixtures, Equipment & Appliances for Laboratory Building for the Engineer				Lump Sum
A.1.1 (13)		Provision of Furnitures/Fixtures & Appliances for the Living Quarters for the Engineer				Lump Sum
A.1.1 (14)		Provision of Laboratory Testing Equipment, Apparatus and Publications for the Engineer				Lump Sum
A.1.1 (15)		Operation & Maintenance of Temporary Field Office, Laboratory and Living Quarters Building for the Engineer				Month
A.1.1 (16)		Operation & Maintenance of Field Office for the Engineer				Month

A.1.1 (17)		Operation & Maintenance of Laboratory Building for the Engineer				Month
A.1.1 (18)		Operation & Maintenance of Living Quarters for the Engineer				Month
A.1.2 Vehicles for the Engineer						
A.1.2 (1)		Provision of 4x4 Pick Up Type Service Vehicle for the Engineer				Each
A.1.2 (2)		Provision of 4x4 Pick Up Type Service Vehicle for the Engineer on Bare Rental Basis				Month
A.1.2 (3)		Provision of 4x2 Pick Up Type Service Vehicle for the Engineer				Each
A.1.2 (4)		Provision of 4x2 Pick Up Type Service Vehicle for the Engineer on Bare Rental Basis				Month
A.1.2 (5)		Operation and Maintenance of 4x4 Pick Up Type Service Vehicle for the Engineer				Month
A.1.2 (6)		Operation and Maintenance of 4x2 Pick Up Type Service Vehicle for the Engineer				Month
A.1.2 (7)		Provision of 4x4 Van Type Service Vehicle (12-seater)				Each
A.1.2 (8)		Provision of 4x4 Van Type Service Vehicle on Rental Basis (12 Seater)				Month
A.1.2 (9)		Operation and Maintenance of 4x4 Van Type Service Vehicle (12-seater)				Month
A.1.3 Assistance to the Engineer						
A.1.3 (1)		Provision of Field Office Staff for the Assistance to the Engineer				Month
A.1.3 (2)		Provision of Survey Equipment for the Assistance to the Engineer				Lump Sum
A.1.3 (3)		Provision of Survey Personnel for the Assistance to the Engineer				Month
A.1.3 (4)		Provision of Laboratory Personnel for the Assistance to the Engineer				Month
A.1.4 Photographs						
A.1.4 (1)		Provision of Progress Photographs				Month
A.1.5 Communication Facility						
A.1.5 (1)		Provision of Communication Facility for the Engineer				Each
A.1.5 (2)		Operation and Maintenance of Communication Facility for the Engineer				Each

PART B - OTHER GENERAL REQUIREMENTS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
B.1		Offices, Shops, Stores and Workmens Accommodation for Contractor				Lump sum
B.2		Medical Room and First Aid Facilities				Lump sum
B.3		Permits and Clearances				Lump sum
B.4 (1)		Construction survey and staking				Kilometer
B.4 (2)		Slope, reference, and clearing and grubbing stakes				Kilometer
B.4 (3)		Centerline reestablishment				Kilometer
B.4 (4)		Culvert survey and staking				Each
B.4 (5)		Bridge survey and staking				Lump sum
B.4 (6)		Retaining wall survey and staking				Lump sum
B.4 (7)		Grade finishing stakes				Kilometer
B.4 (8)		Permanent monuments and markers				Each
B.4 (9)		Miscellaneous survey and staking				Hour
B.4 (10)		Miscellaneous survey and staking				Lump sum
B.5		Project Billboard / Signboard				Each
B.6		Installation of ODA Recognition Plate				Lump sum
B.7		Occupational Safety and Health Program				Month
B.8		Traffic Management				Month
B.9		Mobilization / Demobilization				Lump sum
B.10		Dayworks				PS
B.11		Provisional Sum				PS
B.12		Removal and Relocation of Utilities				Lump sum
B.13		Additional Geotechnical Investigation				Lump sum
B.14		Environmental Management and Monitoring				Month
B.15 (1)		Detour/Access Road				Lump sum
B.15 (2)		Detour/Access Road				Linear Meter
B.16		Recognition Plate/Project Marker				Each
B.17		Temporary Diversion of Waterway				Lump Sum
B.18 (1)		Craneway				Lump sum
B.18 (2)		Craneway				Linear Meter
B.19		Geotechnical Exploration				Linear Meter

PART C - EARTHWORK**ITEM 100 - CLEARING AND GRUBBING**

Pay Item	Suffix	Description	Valid Values	Unit Of Measure
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(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
100 (1)		Clearing and Grubbing				Hectare
100 (2)		Clearing and Grubbing				Lump Sum
100 (3)	a1	Individual Removal of Trees	150 - 300 mm dia.		Small	Each
100 (3)	a2	Individual Removal of Trees	301 - 500 mm.dia		Small	Each
100 (3)	a3	Individual Removal of Trees	501 - 750 mm.dia		Small	Each
100 (3)	a4	Individual Removal of Trees	751 - 900 mm.dia		Small	Each
100 (4)		Individual Removal of Trees	above 900mm dia.		Large	Each

ITEM 101 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
101 (1)		Removal of Structures and Obstruction				Lump Sum
101 (2)		Removal of Actual Structures/Obstruction				Each
101 (3)	a1	Removal of Actual Structures/Obstruction	0.15 m thick		PCCP (Reinforced)	Square Meter
101 (3)	a2	Removal of Actual Structures/Obstruction	0.20 m thick		PCCP (Reinforced)	Square Meter
101 (3)	a3	Removal of Actual Structures/Obstruction	0.23 m thick		PCCP (Reinforced)	Square Meter
101 (3)	a4	Removal of Actual Structures/Obstruction	0.25 m thick		PCCP (Reinforced)	Square Meter
101 (3)	a5	Removal of Actual Structures/Obstruction	0.28 m thick		PCCP (Reinforced)	Square Meter
101 (3)	a6	Removal of Actual Structures/Obstruction	0.30 m thick		PCCP (Reinforced)	Square Meter
101 (3)	a7	Removal of Actual Structures/Obstruction	0.33 m thick		PCCP (Reinforced)	Square Meter
101 (3)	a8	Removal of Actual Structures/Obstruction	0.35 m thick		PCCP (Reinforced)	Square Meter
101 (3)	b1	Removal of Actual Structures/Obstruction	0.15 m thick		PCCP (Unreinforced)	Square Meter
101 (3)	b2	Removal of Actual Structures/Obstruction	0.20 m thick		PCCP (Unreinforced)	Square Meter
101 (3)	b3	Removal of Actual Structures/Obstruction	0.23 m thick		PCCP (Unreinforced)	Square Meter
101 (3)	b4	Removal of Actual Structures/Obstruction	0.25 m thick		PCCP (Unreinforced)	Square Meter
101 (3)	b5	Removal of Actual Structures/Obstruction	0.28 m thick		PCCP (Unreinforced)	Square Meter
101 (3)	b6	Removal of Actual Structures/Obstruction	0.30 m thick		PCCP (Unreinforced)	Square Meter
101 (3)	b7	Removal of Actual Structures/Obstruction	0.33 m thick		PCCP (Unreinforced)	Square Meter
101 (3)	b8	Removal of Actual Structures/Obstruction	0.35 m thick		PCCP (Unreinforced)	Square Meter
101 (3)	c1	Removal of Actual Structures/Obstruction	0.05 m thick		ACP	Square Meter
101 (3)	c2	Removal of Actual Structures/Obstruction	0.10 m thick		ACP	Square Meter
101 (3)	d	Removal of Actual Structures/Obstruction	0.10 m thick		Sidewalk	Square Meter
101 (4)	a1	Removal of Actual Structures/Obstruction	610 mm dia.		RCPC	Linear Meter
101 (4)	a2	Removal of Actual Structures/Obstruction	760 mm dia.		RCPC	Linear Meter
101 (4)	a3	Removal of Actual Structures/Obstruction	910 mm dia.		RCPC	Linear Meter
101 (4)	a4	Removal of Actual Structures/Obstruction	1070 mm dia.		RCPC	Linear Meter
101 (4)	a5	Removal of Actual Structures/Obstruction	1220 mm dia.		RCPC	Linear Meter
101 (4)	a6	Removal of Actual Structures/Obstruction	1520 mm dia.		RCPC	Linear Meter
101 (4)	b	Removal of Actual Structures/Obstruction			Curb	Linear Meter

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101 (4)	c	Removal of Actual Structures/Obstruction			Curb and Gutter	Linear Meter
101 (5)	a1	Removal of Pipes other than Pipe Culverts	50 mm dia.	PVC		Linear Meter
101 (5)	a2	Removal of Pipes other than Pipe Culverts	75 mm dia.	PVC		Linear Meter
101 (5)	a3	Removal of Pipes other than Pipe Culverts	100 mm dia.	PVC		Linear Meter
101 (5)	a4	Removal of Pipes other than Pipe Culverts	150 mm dia.	PVC		Linear Meter
101 (5)	a5	Removal of Pipes other than Pipe Culverts	200 mm dia.	PVC		Linear Meter
101 (5)	a6	Removal of Pipes other than Pipe Culverts	250 mm dia.	PVC		Linear Meter
101 (5)	a7	Removal of Pipes other than Pipe Culverts	300 mm dia.	PVC		Linear Meter
101 (5)	b1	Removal of Pipes other than Pipe Culverts	150 mm dia.	Concrete		Linear Meter
101 (5)	b2	Removal of Pipes other than Pipe Culverts	200 mm dia.	Concrete		Linear Meter
101 (5)	b3	Removal of Pipes other than Pipe Culverts	250 mm dia.	Concrete		Linear Meter
101 (5)	b4	Removal of Pipes other than Pipe Culverts	300 mm dia.	Concrete		Linear Meter
101 (5)	b5	Removal of Pipes other than Pipe Culverts	350 mm dia.	Concrete		Linear Meter
101 (5)	c1	Removal of Pipes other than Pipe Culverts	50 mm dia.	High Density Polyethylene HDPE		Linear Meter
101 (5)	c2	Removal of Pipes other than Pipe Culverts	75 mm dia.	High Density Polyethylene HDPE		Linear Meter
101 (5)	c3	Removal of Pipes other than Pipe Culverts	100 mm dia.	High Density Polyethylene HDPE		Linear Meter
101 (5)	c4	Removal of Pipes other than Pipe Culverts	150 mm dia.	High Density Polyethylene HDPE		Linear Meter
101 (5)	c5	Removal of Pipes other than Pipe Culverts	200 mm dia.	High Density Polyethylene HDPE		Linear Meter
101 (5)	c6	Removal of Pipes other than Pipe Culverts	250 mm dia.	High Density Polyethylene HDPE		Linear Meter
101 (5)	c7	Removal of Pipes other than Pipe Culverts	300 mm dia.	High Density Polyethylene HDPE		Linear Meter
101 (6)		Removal of Structures and Obstruction			Concrete	Cubic Meter
101 (7)	a	Removal of Structures and Obstruction			Steel	Kilogram
101 (7)	b	Removal of Structures and Obstruction			Steel H-Piles	Kilogram
101 (7)	c	Removal of Structures and Obstruction			RSB	Kilogram
101 (8)		Removal of Existing Guardrails				Linear Meter
101 (9)		Removal of Existing Guardrail Posts				Each

101 (10)		Removal of Existing Road Signs				Each
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ITEM 102 – EXCAVATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
102 (1)		Unsuitable Excavation				Cubic Meter
102 (2)		Surplus Common Excavation				Cubic Meter
102 (3)	a	Surplus Rock Excavation			Soft	Cubic Meter
102 (3)	b	Surplus Rock Excavation			Hard	Cubic Meter
102 (4)		Surplus Unclassified Excavation				Cubic Meter

ITEM 103 – STRUCTURE EXCAVATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
103 (1)	a	Structure Excavation			Common Soil	Cubic Meter
103 (1)	b	Structure Excavation			Soft Rock	Cubic Meter
103 (1)	c	Structure Excavation			Hard Rock	Cubic Meter
103 (2)	a	Bridge Excavation			Common Soil	Cubic Meter
103 (2)	b	Bridge Excavation			Soft Rock	Cubic Meter
103 (2)	c	Bridge Excavation			Hard Rock	Cubic Meter
103 (3)		Foundation Fill				Cubic Meter
103 (4)		Excavation ordered below Plan elevation				Cubic Meter
103 (5)	a	Shoring, cribbing and related works			Shoring	Lump sum
103 (5)	b	Shoring, cribbing and related works			Cribbing/Cofferdammin g	Lump sum
103 (6)	a	Pipe culverts and drain excavation			Common Soil	Cubic Meter
103 (6)	b	Pipe culverts and drain excavation			Soft Rock	Cubic Meter
103 (6)	c	Pipe culverts and drain excavation			Hard Rock	Cubic Meter

ITEM 104 – EMBANKMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
104 (1)	a	Embankment from roadway excavation			Common Soil	Cubic Meter
104 (1)	b	Embankment from roadway excavation			Soft Rock	Cubic Meter
104 (1)	c	Embankment from roadway excavation			Hard Rock	Cubic Meter
104 (2)	a	Embankment from borrow			Common Soil	Cubic Meter
104 (2)	b	Embankment from borrow			Soft Rock	Cubic Meter
104 (2)	c	Embankment from borrow			Hard Rock	Cubic Meter
104 (2)	d	Embankment from borrow			Granular Coarse Material	Cubic Meter

104 (2)	e	Embankment from borrow			Granular Fine Material	Cubic Meter
104 (3)	a	Selected Borrow for topping			Case 1	Cubic Meter
104 (3)	b	Selected Borrow for topping			Case 2	Cubic Meter
104 (4)		Earth Berm				Cubic Meter
104 (5)		Boulder Fill				Cubic Meter
104 (6)		Preload, relocated, and compacted			Common Borrow	Cubic Meter

Item 105 – SUBGRADE PREPARATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
105 (1)	a	Subgrade Preparation			Common Material	Square Meter
105 (1)	b	Subgrade Preparation			Existing Pavement	Square Meter
105 (1)	c	Subgrade Preparation			Unsuitable Material	Square Meter
105 (1)	d	Subgrade Preparation			Hard Rock Material	Square Meter
105 (1)	e	Subgrade Preparation			Soft Rock Material	Square Meter
105 (1)	f	Subgrade Preparation			Unclassified Material	Square Meter

ITEM 106 – COMPACTION EQUIPMENT AND DENSITY CONTROL STRIPS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
106 (1)		Compaction Equipment and Density Controls Strips			Common Material	Square Meter

**Unless otherwise provided, the cost of constructing the control strip will be considered incidental to the cost of the work item for which a control strip is required. Payment for the work item shall be deemed to include compensation for performing the work herein specified and the furnishing of all materials, labors, tools, equipment and incidentals necessary to construct the density control strip. No payment will be made for any material used in the construction of unacceptable control strip.*

ITEM 107 – OVERHAUL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
107 (1)		Overhaul				Cubic Meter
107 (2)		Overhaul				Kilometer
107 (3)		Overhaul of Borrow			Case 1	Cubic Meter
107 (4)		Overhaul of Borrow			Case 1	Kilometer

PART D – SUBBASE AND BASE COURSE**ITEM 200 – AGGREGATE SUBBASE COURSE**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
200 (1)		Aggregate Subbase Course				Cubic Meter

ITEM 201 – AGGREGATE BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
201 (1)		Aggregate Base Course				Cubic Meter

ITEM 202 – CRUSHED AGGREGATE BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
202 (1)		Crushed Aggregate Base Course				Cubic Meter

ITEM 203 – LIME STABILIZED ROAD MIX BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
203 (1)	a	Lime Stabilized Road Mix Base Course			New Soil Aggregate	Cubic Meter
203 (1)	b	Lime Stabilized Road Mix Base Course			Salvaged Soil Aggregate	Cubic Meter

ITEM 204 – PORTLAND CEMENT STABILIZED ROAD MIX BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
204 (1)	a	Portland Cement Stabilized Road Mix Base Course			New Soil Aggregate	Cubic Meter
204 (1)	b	Portland Cement Stabilized Road Mix Base Course			Salvaged Soil Aggregate	Cubic Meter

Item 205 – ASPHALT STABILIZED ROAD MIX BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
205 (1)	a	Asphalt Stabilized Road Mix Base Course			New Soil Aggregate	Cubic Meter
205 (1)	b	Asphalt Stabilized Road Mix Base Course			Salvaged Soil Aggregate	Cubic Meter

ITEM 206 – CHEMICALLY STABILIZED ROAD MIX SUB-BASE/BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
206 (1)		Polymer-Based Chemical Soil Additive				Liter

ITEM 207 – PORTLAND CEMENT TREATED PLANT MIX BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
207 (1)	a	Portland Cement treated Plant Mix Course			New Soil Aggregate	Cubic Meter
207 (1)	b	Portland Cement treated Plant Mix Course			Salvaged Soil Aggregate	Cubic Meter

ITEM 208 – AGGREGATE STOCKPILE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
208 (1)		Aggregate Stockpile				Cubic Meter

ITEM 209 – ASPHALT TREATED PLANT MIX BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
209 (1)		Asphalt Treated Plant Mix Base Course				Cubic Meter

PART E - SURFACE COURSES**ITEM 300 – AGGREGATE SURFACE COURSE**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
300 (1)		Gravel Surface Course				Cubic Meter
300 (2)		Crushed Aggregate Surface Course				Cubic Meter

ITEM 301 – BITUMINOUS PRIME COAT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
301 (1)	a	Bituminous Prime Coat - MC– Cut-back Asphalt			Grade 30	Square Meter
301 (1)	b	Bituminous Prime Coat - MC– Cut-back Asphalt			Grade 70	Square Meter
301 (1)	c	Bituminous Prime Coat - MC– Cut-back Asphalt			Grade 250	Square Meter
301 (1)	d	Bituminous Prime Coat - MC– Cut-back Asphalt			Grade 800	Square Meter
301 (1)	e	Bituminous Prime Coat - MC– Cut-back Asphalt			Grade 3000	Square Meter
301 (2)	a	Bituminous Prime Coat - RC – Cut-back Asphalt			Grade 70	Square Meter
301 (2)	b	Bituminous Prime Coat - RC – Cut-back Asphalt			Grade 250	Square Meter
301 (2)	c	Bituminous Prime Coat - RC – Cut-back Asphalt			Grade 800	Square Meter
301 (2)	d	Bituminous Prime Coat - RC – Cut-back Asphalt			Grade 3000	Square Meter

ITEM 302 – BITUMINOUS TACK COAT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
302 (1)	a	Bituminous Tack Coat - RC – Cut-back Asphalt			Grade 70	Square Meter

302 (1)	b	Bituminous Tack Coat - RC – Cut-back Asphalt			Grade 250	Square Meter
302 (1)	c	Bituminous Tack Coat - RC – Cut-back Asphalt			Grade 800	Square Meter
302 (1)	d	Bituminous Tack Coat - RC – Cut-back Asphalt			Grade 3000	Square Meter
302 (2)		Emulsified Asphalt				Square Meter

ITEM 303 – BITUMINOUS SEAL COAT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
303 (1)	a	Cover Aggregate			Type 2	Tonne
303 (1)	b	Cover Aggregate			Type 3A	Tonne
303 (1)	c	Cover Aggregate			Type 3B	Tonne
303 (2)	a	Bituminous Seal Coat - MC-Cut-back Asphalt			Grade 30	Tonne
303 (2)	b	Bituminous Seal Coat - MC-Cut-back Asphalt			Grade 70	Tonne
303 (2)	c	Bituminous Seal Coat - MC-Cut-back Asphalt			Grade 250	Tonne
303 (2)	d	Bituminous Seal Coat - MC-Cut-back Asphalt			Grade 800	Tonne
303 (2)	e	Bituminous Seal Coat - MC-Cut-back Asphalt			Grade 3000	Tonne
303 (3)	a	Bituminous Seal Coat - RC-Cut-back Asphalt			Grade 70	Tonne
303 (3)	b	Bituminous Seal Coat - RC-Cut-back Asphalt			Grade 250	Tonne
303 (3)	c	Bituminous Seal Coat - RC-Cut-back Asphalt			Grade 800	Tonne
303 (3)	d	Bituminous Seal Coat - RC-Cut-back Asphalt			Grade 3000	Tonne
303 (4)		Asphalt Cement Pen. Gr.				Tonne

ITEM 304 – BITUMINOUS SURFACE TREATMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
304 (1)		Aggregate Grading				Tonne
304 (2)		Asphalt Cement Pen. Grade				Tonne
304 (3)	a	Bituminous Surface Treatment - RC-Cut-back Asphalt			Grade 70	Tonne
304 (3)	b	Bituminous Surface Treatment - RC-Cut-back Asphalt			Grade 250	Tonne
304 (3)	c	Bituminous Surface Treatment - RC-Cut-back Asphalt			Grade 800	Tonne
304 (3)	d	Bituminous Surface Treatment - RC-Cut-back Asphalt			Grade 3000	Tonne
304 (4)	a	Bituminous Surface Treatment - MC-Cut-back Asphalt			Grade 30	Tonne
304 (4)	b	Bituminous Surface Treatment - MC-Cut-back Asphalt			Grade 70	Tonne

304 (4)	c	Bituminous Surface Treatment - MC-Cut-back Asphalt			Grade 250	Tonne
304 (4)	d	Bituminous Surface Treatment - MC-Cut-back Asphalt			Grade 800	Tonne
304 (4)	e	Bituminous Surface Treatment - MC-Cut-back Asphalt			Grade 3000	Tonne
304 (5)		Emulsified Asphalt				Tonne

ITEM 304A – SLURRY SYSTEM FOR ROAD SURFACE TREATMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
304A (1)		Slurry Surface Treatment (SST)				Square Meter
304A (2)		Slurry Seal				Square Meter
304A (3)		Micro-surfacing				Square Meter

ITEM 305 – BITUMINOUS PENETRATION MACADAM PAVEMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
305 (1)		Aggregates				Tonne
305 (2)		Asphalt Cement				Tonne
305 (3)	a	Bituminous Penetration Macadam Pavement - RC-Cut-back Asphalt			Grade 70	Tonne
305 (3)	b	Bituminous Penetration Macadam Pavement - RC-Cut-back Asphalt			Grade 250	Tonne
305 (3)	c	Bituminous Penetration Macadam Pavement - RC-Cut-back Asphalt			Grade 800	Tonne
305 (3)	d	Bituminous Penetration Macadam Pavement - RC-Cut-back Asphalt			Grade 3000	Tonne
305 (4)		Emulsified Asphalt				Tonne

ITEM 306 – BITUMINOUS ROAD MIX SURFACE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
306 (1)		Aggregate for Bituminous Road Mix Surface Course				Tonne
306 (2)		Bituminous Material for Bituminous Road Mix Surface Course				Tonne

ITEM 307 – BITUMINOUS PLANT-MIX SURFACE COURSE - GENERAL

**The area to be paid for under this item shall be the number of Square Meters (m²) of asphalt pavement placed, compacted and accepted based on the Thickness/Sizes and densities of the cores taken.*

ITEM 308 – BITUMINOUS PLANT- MIX SURFACE COURSE, COLD-LAID						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
308 (1)		Bituminous Plant-Mix Surface Course, Cold-Laid				Square Meter

ITEM 309 – BITUMINOUS PLANT-MIX (STOCKPILE MAINTENANCE MIXTURE)						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
309 (1)		Bituminous Plant-Mix (Stockpile Maintenance Mixture)				Cubic Meter

ITEM 310 – BITUMINOUS CONCRETE SURFACE COURSE, HOT-LAID						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
310 (1)	a1	Bituminous Concrete Surface Wearing Course, Hot-Laid	30 mm			Square Meter
310 (1)	a2	Bituminous Concrete Surface Wearing Course, Hot-Laid	40 mm			Square Meter
310 (1)	a3	Bituminous Concrete Surface Wearing Course, Hot-Laid	50 mm			Square Meter
310 (2)		Bituminous Concrete Surface Binder Course, Hot-Laid	50 mm			Square Meter
310 (3)		Asphaltic Concrete With Lahar as Fine Aggregate Replacement				Square Meter
310 (4)	a1	Bituminous Concrete Surface Wearing Course, Stone Mastic	30 mm			Square Meter
310 (4)	a2	Bituminous Concrete Surface Wearing Course, Stone Mastic	40 mm			Square Meter
310 (4)	a3	Bituminous Concrete Surface Wearing Course, Stone Mastic	50 mm			Square Meter
310 (5)		Bituminous Concrete Surface Binder Course, Stone Mastic	50 mm			Square Meter
310 (6)	a1	Bituminous Concrete Surface Wearing Course, PMB	30 mm			Square Meter
310 (6)	a2	Bituminous Concrete Surface Wearing Course, PMB	40 mm			Square Meter
310 (6)	a3	Bituminous Concrete Surface Wearing Course, PMB	50 mm			Square Meter

ITEM 311 - PORTLAND CEMENT CONCRETE PAVEMENT						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
311 (1)	a	Portland Cement Concrete Pavement (Unreinforced)	0.15 m thick		14 days	Square Meter
311 (1)	b	Portland Cement Concrete Pavement (Unreinforced)	0.20 m thick		14 days	Square Meter
311 (1)	c1	Portland Cement Concrete Pavement (Unreinforced)	0.23 m thick		14 days	Square Meter
311 (1)	c2	Portland Cement Concrete Pavement (Unreinforced)	0.23 m thick		7 days	Square Meter
311 (1)	c3	Portland Cement Concrete Pavement (Unreinforced)	0.23 m thick		3 days	Square Meter
311 (1)	d1	Portland Cement Concrete Pavement (Unreinforced)	0.25 m thick		14 days	Square Meter
311 (1)	d2	Portland Cement Concrete Pavement (Unreinforced)	0.25 m thick		7 days	Square Meter
311 (1)	d3	Portland Cement Concrete Pavement (Unreinforced)	0.25 m thick		3 days	Square Meter
311 (1)	e1	Portland Cement Concrete Pavement (Unreinforced)	0.28 m thick		14 days	Square Meter
311 (1)	e2	Portland Cement Concrete Pavement (Unreinforced)	0.28 m thick		7 days	Square Meter
311 (1)	e3	Portland Cement Concrete Pavement (Unreinforced)	0.28 m thick		3 days	Square Meter
311 (1)	f1	Portland Cement Concrete Pavement (Unreinforced)	0.30 m thick		14 days	Square Meter
311 (1)	f2	Portland Cement Concrete Pavement (Unreinforced)	0.30 m thick		7 days	Square Meter
311 (1)	f3	Portland Cement Concrete Pavement (Unreinforced)	0.30 m thick		3 days	Square Meter
311 (1)	g1	Portland Cement Concrete Pavement (Unreinforced)	0.33 m thick		14 days	Square Meter
311 (1)	g2	Portland Cement Concrete Pavement (Unreinforced)	0.33 m thick		7 days	Square Meter
311 (1)	g3	Portland Cement Concrete Pavement (Unreinforced)	0.33 m thick		3 days	Square Meter
311 (1)	h1	Portland Cement Concrete Pavement (Unreinforced)	0.35 m thick		14 days	Square Meter

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311 (1)	h2	Portland Cement Concrete Pavement (Unreinforced)	0.35 m thick		7 days	Square Meter
311 (1)	h3	Portland Cement Concrete Pavement (Unreinforced)	0.35 m thick		3 days	Square Meter
311 (2)	a	Portland Cement Concrete Pavement (Reinforced)	0.15 m thick		14 days	Square Meter
311 (2)	b	Portland Cement Concrete Pavement (Reinforced)	0.20 m thick		14 days	Square Meter
311 (2)	c1	Portland Cement Concrete Pavement (Reinforced)	0.23 m thick		14 days	Square Meter
311 (2)	c2	Portland Cement Concrete Pavement (Reinforced)	0.23 m thick		7 days	Square Meter
311 (2)	c3	Portland Cement Concrete Pavement (Reinforced)	0.23 m thick		3 days	Square Meter
311 (2)	d1	Portland Cement Concrete Pavement (Reinforced)	0.25 m thick		14 days	Square Meter
311 (2)	d2	Portland Cement Concrete Pavement (Reinforced)	0.25 m thick		7 days	Square Meter
311 (2)	d3	Portland Cement Concrete Pavement (Reinforced)	0.25 m thick		3 days	Square Meter
311 (2)	e1	Portland Cement Concrete Pavement (Reinforced)	0.28 m thick		14 days	Square Meter
311 (2)	e2	Portland Cement Concrete Pavement (Reinforced)	0.28 m thick		7 days	Square Meter
311 (2)	e3	Portland Cement Concrete Pavement (Reinforced)	0.28 m thick		3 days	Square Meter
311 (2)	f1	Portland Cement Concrete Pavement (Reinforced)	0.30 m thick		14 days	Square Meter
311 (2)	f2	Portland Cement Concrete Pavement (Reinforced)	0.30 m thick		7 days	Square Meter
311 (2)	f3	Portland Cement Concrete Pavement (Reinforced)	0.30 m thick		3 days	Square Meter
311 (2)	g1	Portland Cement Concrete Pavement (Reinforced)	0.33 m thick		14 days	Square Meter
311 (2)	g2	Portland Cement Concrete Pavement (Reinforced)	0.33 m thick		7 days	Square Meter
311 (2)	g3	Portland Cement Concrete Pavement (Reinforced)	0.33 m thick		3 days	Square Meter
311 (2)	h1	Portland Cement Concrete Pavement (Reinforced)	0.35 m thick		14 days	Square Meter

311 (2)	h2	Portland Cement Concrete Pavement (Reinforced)	0.35 m thick		7 days	Square Meter
311 (2)	h3	Portland Cement Concrete Pavement (Reinforced)	0.35 m thick		3 days	Square Meter
311 (3)	a1	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.23 m thick		14 days	Square Meter
311 (3)	a2	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.23 m thick		7 days	Square Meter
311 (3)	a3	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.23 m thick		3 days	Square Meter
311 (3)	b1	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.25 m thick		14 days	Square Meter
311 (3)	b2	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.25 m thick		7 days	Square Meter
311 (3)	b3	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.25 m thick		3 days	Square Meter
311 (3)	c1	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.28 m thick		14 days	Square Meter
311 (3)	c2	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.28 m thick		7 days	Square Meter
311 (3)	c3	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.28 m thick		3 days	Square Meter
311 (3)	d1	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.30 m thick		14 days	Square Meter
311 (3)	d2	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.30 m thick		7 days	Square Meter
311 (3)	d3	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.30 m thick		3 days	Square Meter
311 (3)	e1	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.33 m thick		14 days	Square Meter
311 (3)	e2	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.33 m thick		7 days	Square Meter
311 (3)	e3	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.33 m thick		3 days	Square Meter
311 (3)	f1	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.35 m thick		14 days	Square Meter
311 (3)	f2	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.35 m thick		7 days	Square Meter
311 (3)	f3	Portland Cement Concrete Pavement (Reinforced with Wire Mesh)	0.35 m thick		3 days	Square Meter

311 (4)	a1	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Unreinforced)	0.15 m thick		14 days	Square Meter
311 (4)	a2	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Unreinforced)	0.20 m thick		14 days	Square Meter
311 (4)	a3	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Unreinforced)	0.23 m thick		14 days	Square Meter
311 (4)	a4	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Unreinforced)	0.25 m thick		14 days	Square Meter
311 (4)	a5	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Unreinforced)	0.28 m thick		14 days	Square Meter
311 (4)	b1	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Reinforced)	0.15 m thick		14 days	Square Meter
311 (4)	b2	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Reinforced)	0.20 m thick		14 days	Square Meter
311 (4)	b3	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Reinforced)	0.23 m thick		14 days	Square Meter
311 (4)	b4	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Reinforced)	0.25 m thick		14 days	Square Meter
311 (4)	b5	Portland Cement Concrete Pavement with Coralline Materials as Coarse Aggregates (Reinforced)	0.28 m thick		14 days	Square Meter
311 (5)	a1	Portland Cement Concrete Pavement with Dolomites as Aggregates (Unreinforced)	0.15 m thick	14 days		Square Meter
311 (5)	a2	Portland Cement Concrete Pavement with Dolomites as Aggregates (Unreinforced)	0.20 m thick		14 days	Square Meter
311 (5)	a3	Portland Cement Concrete Pavement with Dolomites as Aggregates (Unreinforced)	0.23 m thick		14 days	Square Meter
311 (5)	a4	Portland Cement Concrete Pavement with Dolomites as Aggregates (Unreinforced)	0.25 m thick		14 days	Square Meter
311 (5)	a5	Portland Cement Concrete Pavement with Dolomites as Aggregates (Unreinforced)	0.28 m thick		14 days	Square Meter

311 (5)	b1	Portland Cement Concrete Pavement with Dolomites as Aggregates (Reinforced)	0.15 m thick		14 days	Square Meter
311 (5)	b2	Portland Cement Concrete Pavement with Dolomites as Aggregates (Reinforced)	0.20 m thick		14 days	Square Meter
311 (5)	b3	Portland Cement Concrete Pavement with Dolomites as Aggregates (Reinforced)	0.23 m thick		14 days	Square Meter
311 (5)	b4	Portland Cement Concrete Pavement with Dolomites as Aggregates (Reinforced)	0.25 m thick		14 days	Square Meter
311 (5)	b5	Portland Cement Concrete Pavement with Dolomites as Aggregates (Reinforced)	0.28 m thick		14 days	Square Meter

ITEM 313 - ROCK ASPHALT, HOT LAID

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
313 (1)		Rock Asphalt				Square Meter

PART F - BRIDGE CONSTRUCTION**ITEM 400 – PILING**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
400 (1)		Untreated Timber Piles, furnished				Meter
400 (2)		Treated Timber Piles, preservative, furnished				Meter
400 (3)	a	Steel H-Piles, furnished	305mmx305mm		79 kg/m	Meter
400 (3)	b	Steel H-Piles, furnished	305mmx305mm		94 kg/m	Meter
400 (3)	c	Steel H-Piles, furnished	305mmx305mm		110 kg/m	Meter
400 (3)	d	Steel H-Piles, furnished	305mmx305mm		125 kg/m	Meter
400 (4)	a1	Precast Concrete Piles, furnished	400x400 mm			Meter
400 (4)	a2	Precast Concrete Piles, furnished	450x450 mm			Meter
400 (5)	a1	Precast, Prestressed Concrete Piles, furnished	400x400 mm			Meter
400 (5)	a2	Precast, Prestressed Concrete Piles, furnished	450x450 mm			Meter
400 (6)		Structural Steel Sheet Piles, furnished				Meter
400 (7)		Precast Concrete Sheet Piles, furnished				Meter
400 (8)		Untreated Timber Piles, driven				Meter
400 (9)		Treated Timber Piles, driven				Meter
400 (10)		Steel H-Piles, driven				Meter
400 (11)		Steel Pipes Piles				Meter
400 (12)		Structural Steel Sheet Piles, driven				Meter
400 (13)		Precast Concrete Sheet Piles, driven				Meter
400 (14)		Precast Concrete Piles, driven				Meter
400 (15)		Precast, Prestressed Concrete Piles, driven				Meter

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400 (16)		Test Piles, furnished and driven				Meter
400 (17)	a1	Concrete Piles cast in Drilled Holes	0.80			Meter
400 (17)	a2	Concrete Piles cast in Drilled Holes	0.90			Meter
400 (17)	a3	Concrete Piles cast in Drilled Holes	1.00			Meter
400 (17)	a4	Concrete Piles cast in Drilled Holes	1.10			Meter
400 (17)	a5	Concrete Piles cast in Drilled Holes	1.20			Meter
400 (17)	a6	Concrete Piles cast in Drilled Holes	1.30			Meter
400 (17)	a7	Concrete Piles cast in Drilled Holes	1.40			Meter
400 (17)	a8	Concrete Piles cast in Drilled Holes	1.50			Meter
400 (17)	a9	Concrete Piles cast in Drilled Holes	1.60			Meter
400 (17)	a10	Concrete Piles cast in Drilled Holes	1.70			Meter
400 (17)	a11	Concrete Piles cast in Drilled Holes	1.80			Meter
400 (17)	a12	Concrete Piles cast in Drilled Holes	1.90			Meter
400 (17)	a13	Concrete Piles cast in Drilled Holes	2.00			Meter
400 (17)	a14	Concrete Piles cast in Drilled Holes	2.10			Meter
400 (17)	a15	Concrete Piles cast in Drilled Holes	2.20			Meter
400 (17)	a16	Concrete Piles cast in Drilled Holes	2.30			Meter
400 (17)	a17	Concrete Piles cast in Drilled Holes	2.40			Meter
400 (17)	a18	Concrete Piles cast in Drilled Holes	2.50			Meter
400 (17)	a19	Concrete Piles cast in Drilled Holes	2.60			Meter
400 (17)	a20	Concrete Piles cast in Drilled Holes	2.70			Meter
400 (17)	a21	Concrete Piles cast in Drilled Holes	2.80			Meter
400 (17)	a22	Concrete Piles cast in Drilled Holes	2.90			Meter
400 (17)	a23	Concrete Piles cast in Drilled Holes	3.00			Meter
400 (18)	a1	Concrete Piles cast in Steel Shells	400mm dia.			Meter
400 (18)	a2	Concrete Piles cast in Steel Shells	500mm dia.			Meter
400 (19)	a1	Concrete Piles cast in Steel Pipes	400mm dia.			Meter
400 (19)	a2	Concrete Piles cast in Steel Pipes	500mm dia.			Meter
400 (20)		Pile Shoes				Each
400 (21)		Splices				Each
400 (22)		Load Tests				Each
400 (23)	a1	Bored Piles	0.80			Meter
400 (23)	a2	Bored Piles	0.90			Meter
400 (23)	a3	Bored Piles	1.00			Meter
400 (23)	a4	Bored Piles	1.10			Meter
400 (23)	a5	Bored Piles	1.20			Meter
400 (23)	a6	Bored Piles	1.30			Meter
400 (23)	a7	Bored Piles	1.40			Meter
400 (23)	a8	Bored Piles	1.50			Meter
400 (23)	a9	Bored Piles	1.60			Meter

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400 (23)	a10	Bored Piles	1.70			Meter
400 (23)	a11	Bored Piles	1.80			Meter
400 (23)	a12	Bored Piles	1.90			Meter
400 (23)	a13	Bored Piles	2.00			Meter
400 (23)	a14	Bored Piles	2.10			Meter
400 (23)	a15	Bored Piles	2.20			Meter
400 (23)	a16	Bored Piles	2.30			Meter
400 (23)	a17	Bored Piles	2.40			Meter
400 (23)	a18	Bored Piles	2.50			Meter
400 (23)	a19	Bored Piles	2.60			Meter
400 (23)	a20	Bored Piles	2.70			Meter
400 (23)	a21	Bored Piles	2.80			Meter
400 (23)	a22	Bored Piles	2.90			Meter
400 (23)	a23	Bored Piles	3.00			Meter
400 (24)	a1	Permanent Casing	0.80		10mm thick	Meter
400 (24)	a2	Permanent Casing	0.80		12mm thick	Meter
400 (24)	a3	Permanent Casing	0.80		16mm thick	Meter
400 (24)	b1	Permanent Casing	0.90		10mm thick	Meter
400 (24)	b2	Permanent Casing	0.90		12mm thick	Meter
400 (24)	b3	Permanent Casing	0.90		16mm thick	Meter
400 (24)	c1	Permanent Casing	1.00		10mm thick	Meter
400 (24)	c2	Permanent Casing	1.00		12mm thick	Meter
400 (24)	c3	Permanent Casing	1.00		16mm thick	Meter
400 (24)	d1	Permanent Casing	1.10		10mm thick	Meter
400 (24)	d2	Permanent Casing	1.10		12mm thick	Meter
400 (24)	d3	Permanent Casing	1.10		16mm thick	Meter
400 (24)	e1	Permanent Casing	1.20		10mm thick	Meter
400 (24)	e2	Permanent Casing	1.20		12mm thick	Meter
400 (24)	e3	Permanent Casing	1.20		16mm thick	Meter
400 (24)	f1	Permanent Casing	1.30		10mm thick	Meter
400 (24)	f2	Permanent Casing	1.30		12mm thick	Meter
400 (24)	f3	Permanent Casing	1.30		16mm thick	Meter
400 (24)	g1	Permanent Casing	1.40		10mm thick	Meter
400 (24)	g2	Permanent Casing	1.40		12mm thick	Meter
400 (24)	g3	Permanent Casing	1.40		16mm thick	Meter
400 (24)	h1	Permanent Casing	1.50		10mm thick	Meter
400 (24)	h2	Permanent Casing	1.50		12mm thick	Meter
400 (24)	h3	Permanent Casing	1.50		16mm thick	Meter
400 (24)	i1	Permanent Casing	1.60		12mm thick	Meter
400 (24)	i2	Permanent Casing	1.60		16mm thick	Meter

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400 (24)	j1	Permanent Casing	1.70		12mm thick	Meter
400 (24)	j2	Permanent Casing	1.70		16mm thick	Meter
400 (24)	k1	Permanent Casing	1.80		12mm thick	Meter
400 (24)	k2	Permanent Casing	1.80		16mm thick	Meter
400 (24)	l1	Permanent Casing	1.90		12mm thick	Meter
400 (24)	l2	Permanent Casing	1.90		16mm thick	Meter
400 (24)	m1	Permanent Casing	2.00		12mm thick	Meter
400 (24)	m2	Permanent Casing	2.00		16mm thick	Meter
400 (24)	n1	Permanent Casing	2.10		12mm thick	Meter
400 (24)	n2	Permanent Casing	2.10		16mm thick	Meter
400 (24)	o1	Permanent Casing	2.20		12mm thick	Meter
400 (24)	o2	Permanent Casing	2.20		16mm thick	Meter
400 (24)	p1	Permanent Casing	2.30		12mm thick	Meter
400 (24)	p2	Permanent Casing	2.30		16mm thick	Meter
400 (24)	q1	Permanent Casing	2.40		12mm thick	Meter
400 (24)	q2	Permanent Casing	2.40		16mm thick	Meter
400 (24)	r1	Permanent Casing	2.50		16mm thick	Meter
400 (24)	r2	Permanent Casing	2.50		20mm thick	Meter
400 (24)	s1	Permanent Casing	2.60		16mm thick	Meter
400 (24)	s2	Permanent Casing	2.60		20mm thick	Meter
400 (24)	t1	Permanent Casing	2.70		16mm thick	Meter
400 (24)	t2	Permanent Casing	2.70		20mm thick	Meter
400 (24)	u1	Permanent Casing	2.80		16mm thick	Meter
400 (24)	u2	Permanent Casing	2.80		20mm thick	Meter
400 (24)	v1	Permanent Casing	2.90		16mm thick	Meter
400 (24)	v2	Permanent Casing	2.90		20mm thick	Meter
400 (24)	w1	Permanent Casing	3.00		16mm thick	Meter
400 (24)	w2	Permanent Casing	3.00		20mm thick	Meter
400 (25)		Permanent Casing				Kilogram
400 (26)		Splicing of R.C. Piles with Epoxy				Each
400 (27)	a	Pile Integrity Testing			Crosshole-Sonic	Each
400 (27)	b	Pile Integrity Testing			Low Strain	Each
400 (28)		High Strain Dynamic Testing (P.D.A)				Each
400 (29)	a1	Sand Compaction Pile	0.6			Meter
400 (29)	a2	Sand Compaction Pile	0.7			Meter
400 (29)	a3	Sand Compaction Pile	0.8			Meter
400 (30)	a1	Gravel Compaction Pile	0.6			Meter
400 (30)	a2	Gravel Compaction Pile	0.7			Meter
400 (30)	a3	Gravel Compaction Pile	0.8			Meter

ITEM 401 – RAILINGS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
401 (1)	a	Metal Railing			Steel	Meter
401 (1)	b	Metal Railing			Aluminum	Meter
401 (2)	a	Concrete Railing			Standard	Meter
401 (2)	b	Concrete Railing			Balluster	Meter
401 (2)	c	Concrete Railing			Parapet	Meter
401 (3)		Wooden Railing				Meter
401 (4)		Stone and Brick Railing				Meter

ITEM 402 – TIMBER STRUCTURES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
402 (1)		Timber Structure				Span
402 (2)		Timber Structure				Meter

ITEM 403 – METAL STRUCTURES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
403 (1)		Structural Steel, furnished				Kilogram
403 (2)		Structural Steel, fabricated				Kilogram
403 (3)		Structural Steel, erected				Kilogram
403 (4)		Structural Steel, furnished, and fabricated				Kilogram
403 (5)		Structural Steel, furnished, fabricated, and erected				Kilogram
403 (6)		Structural Steel, painting works				Square Meter

ITEM 404 - REINFORCING STEEL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
404 (1)	a	Reinforcing Steel			Grade 40	Kilogram
404 (1)	b	Reinforcing Steel			Grade 60	Kilogram

ITEM 404A - EPOXY-COATED REINFORCING STEEL BARS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
404A (1)	a	Epoxy-Coated Reinforcing Steel Bars			Grade 40	Kilogram
404A (1)	b	Epoxy-Coated Reinforcing Steel Bars			Grade 60	Kilogram

ITEM 405 – STRUCTURAL CONCRETE						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
405 (1)	a1	Structural Concrete	20.68MPa	A	7 days	Cubic Meter
405 (1)	a2	Structural Concrete	20.68MPa	A	14 days	Cubic Meter
405 (1)	a3	Structural Concrete	20.68MPa	A	28 days	Cubic Meter
405 (1)	b1	Structural Concrete	27.58 Mpa	A	7 days	Cubic Meter
405 (1)	b2	Structural Concrete	27.58 MPa	A	14 days	Cubic Meter
405 (1)	b3	Structural Concrete	27.58 Mpa	A	28 days	Cubic Meter
405 (2)	a	Structural Concrete	20.68MPa	B		Cubic Meter
405 (2)	b	Structural Concrete	27.58 Mpa	B		Cubic Meter
405 (3)	a	Structural Concrete	20.68MPa	C		Cubic Meter
405 (3)	b	Structural Concrete	27.58 Mpa	C		Cubic Meter
405 (4)	a1	Structural Concrete	34.47 Mpa	P	7 days	Cubic Meter
405 (4)	a2	Structural Concrete	34.47 Mpa	P	14 days	Cubic Meter
405 (4)	a3	Structural Concrete	34.47 Mpa	P	28 days	Cubic Meter
405 (4)	b1	Structural Concrete	41.37 Mpa	P	7 days	Cubic Meter
405 (4)	b2	Structural Concrete	41.37 Mpa	P	14 days	Cubic Meter
405 (4)	b3	Structural Concrete	41.37 Mpa	P	28 days	Cubic Meter
405 (5)		Seal Concrete				Cubic Meter
405 (6)		Structural Concrete, painting works				Square Meter

ITEM 406 – PRESTRESSED CONCRETE STRUCTURES						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class/Type	Others	
406 (1)	a1	Prestressed Structural Concrete Members	9.00 m.	Type I	I-Girders	Each
406 (1)	a2	Prestressed Structural Concrete Members	10.00 m.	Type I	I-Girders	Each
406 (1)	a3	Prestressed Structural Concrete Members	11.00 m.	Type I	I-Girders	Each
406 (1)	b1	Prestressed Structural Concrete Members	11.00 m.	Type II	I-Girders	Each
406 (1)	b2	Prestressed Structural Concrete Members	12.00 m.	Type II	I-Girders	Each
406 (1)	b3	Prestressed Structural Concrete Members	13.00 m.	Type II	I-Girders	Each
406 (1)	b4	Prestressed Structural Concrete Members	14.00 m.	Type II	I-Girders	Each
406 (1)	b5	Prestressed Structural Concrete Members	15.00 m.	Type II	I-Girders	Each

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406 (1)	c1	Prestressed Structural Concrete Members	15.00 m.	Type III	I-Girders	Each
406 (1)	c2	Prestressed Structural Concrete Members	16.00 m.	Type III	I-Girders	Each
406 (1)	c3	Prestressed Structural Concrete Members	17.00 m.	Type III	I-Girders	Each
406 (1)	c4	Prestressed Structural Concrete Members	18.00 m.	Type III	I-Girders	Each
406 (1)	c5	Prestressed Structural Concrete Members	19.00 m.	Type III	I-Girders	Each
406 (1)	c6	Prestressed Structural Concrete Members	20.00 m.	Type III	I-Girders	Each
406 (1)	c7	Prestressed Structural Concrete Members	21.00 m.	Type III	I-Girders	Each
406 (1)	d1	Prestressed Structural Concrete Members	19.00 m.	Type IV	I-Girders	Each
406 (1)	d2	Prestressed Structural Concrete Members	20.00 m.	Type IV	I-Girders	Each
406 (1)	d3	Prestressed Structural Concrete Members	21.00 m.	Type IV	I-Girders	Each
406 (1)	d4	Prestressed Structural Concrete Members	22.00 m.	Type IV	I-Girders	Each
406 (1)	d5	Prestressed Structural Concrete Members	23.00 m.	Type IV	I-Girders	Each
406 (1)	d6	Prestressed Structural Concrete Members	24.00 m.	Type IV	I-Girders	Each
406 (1)	d7	Prestressed Structural Concrete Members	25.00 m.	Type IV	I-Girders	Each
406 (1)	d8	Prestressed Structural Concrete Members	26.00 m.	Type IV	I-Girders	Each
406 (1)	d9	Prestressed Structural Concrete Members	27.00 m.	Type IV	I-Girders	Each
406 (1)	e1	Prestressed Structural Concrete Members	23.00 m.	Type IV-A	I-Girders	Each
406 (1)	e2	Prestressed Structural Concrete Members	24.00 m.	Type IV-A	I-Girders	Each
406 (1)	e3	Prestressed Structural Concrete Members	25.00 m.	Type IV-A	I-Girders	Each
406 (1)	e4	Prestressed Structural Concrete Members	26.00 m.	Type IV-A	I-Girders	Each
406 (1)	e5	Prestressed Structural Concrete Members	27.00 m.	Type IV-A	I-Girders	Each
406 (1)	e6	Prestressed Structural Concrete Members	28.00 m.	Type IV-A	I-Girders	Each
406 (1)	e7	Prestressed Structural Concrete Members	29.00 m.	Type IV-A	I-Girders	Each
406 (1)	e8	Prestressed Structural Concrete Members	30.00 m.	Type IV-A	I-Girders	Each
406 (1)	f1	Prestressed Structural Concrete Members	23.00 m.	Type IV-B	I-Girders	Each
406 (1)	f2	Prestressed Structural Concrete Members	24.00 m.	Type IV-B	I-Girders	Each
406 (1)	f3	Prestressed Structural Concrete Members	25.00 m.	Type IV-B	I-Girders	Each
406 (1)	f4	Prestressed Structural Concrete Members	26.00 m.	Type IV-B	I-Girders	Each
406 (1)	f5	Prestressed Structural Concrete Members	27.00 m.	Type IV-B	I-Girders	Each
406 (1)	f6	Prestressed Structural Concrete Members	28.00 m.	Type IV-B	I-Girders	Each
406 (1)	f7	Prestressed Structural Concrete Members	29.00 m.	Type IV-B	I-Girders	Each
406 (1)	f8	Prestressed Structural Concrete Members	30.00 m.	Type IV-B	I-Girders	Each
406 (1)	f9	Prestressed Structural Concrete Members	31.00 m.	Type IV-B	I-Girders	Each
406 (1)	f10	Prestressed Structural Concrete Members	32.00 m.	Type IV-B	I-Girders	Each
406 (1)	f11	Prestressed Structural Concrete Members	33.00 m.	Type IV-B	I-Girders	Each
406 (1)	f12	Prestressed Structural Concrete Members	34.00 m.	Type IV-B	I-Girders	Each
406 (1)	g1	Prestressed Structural Concrete Members	26.00 m.	Type V	I-Girders	Each
406 (1)	g2	Prestressed Structural Concrete Members	27.00 m.	Type V	I-Girders	Each

406 (1)	g3	Prestressed Structural Concrete Members	28.00 m.	Type V	I-Girders	Each
406 (1)	g4	Prestressed Structural Concrete Members	29.00 m.	Type V	I-Girders	Each
406 (1)	g5	Prestressed Structural Concrete Members	30.00 m.	Type V	I-Girders	Each
406 (1)	g6	Prestressed Structural Concrete Members	31.00 m.	Type V	I-Girders	Each
406 (1)	g7	Prestressed Structural Concrete Members	32.00 m.	Type V	I-Girders	Each
406 (1)	g8	Prestressed Structural Concrete Members	33.00 m.	Type V	I-Girders	Each
406 (1)	g9	Prestressed Structural Concrete Members	34.00 m.	Type V	I-Girders	Each
406 (1)	g10	Prestressed Structural Concrete Members	35.00 m.	Type V	I-Girders	Each
406 (1)	g11	Prestressed Structural Concrete Members	36.00 m.	Type V	I-Girders	Each
406 (1)	g12	Prestressed Structural Concrete Members	37.00 m.	Type V	I-Girders	Each
406 (1)	h1	Prestressed Structural Concrete Members	33.00 m.	Type VI	I-Girders	Each
406 (1)	h2	Prestressed Structural Concrete Members	34.00 m.	Type VI	I-Girders	Each
406 (1)	h3	Prestressed Structural Concrete Members	35.00 m.	Type VI	I-Girders	Each
406 (1)	h4	Prestressed Structural Concrete Members	36.00 m.	Type VI	I-Girders	Each
406 (1)	h5	Prestressed Structural Concrete Members	37.00 m.	Type VI	I-Girders	Each
406 (1)	h6	Prestressed Structural Concrete Members	38.00 m.	Type VI	I-Girders	Each
406 (1)	h7	Prestressed Structural Concrete Members	39.00 m.	Type VI	I-Girders	Each
406 (1)	h8	Prestressed Structural Concrete Members	40.00 m.	Type VI	I-Girders	Each
406 (1)	h9	Prestressed Structural Concrete Members	41.00 m.	Type VI	I-Girders	Each
406 (1)	h10	Prestressed Structural Concrete Members	42.00 m.	Type VI	I-Girders	Each
406 (1)	h11	Prestressed Structural Concrete Members	43.00 m.	Type VI	I-Girders	Each
406 (1)	h12	Prestressed Structural Concrete Members	44.00 m.	Type VI	I-Girders	Each
406 (1)	h13	Prestressed Structural Concrete Members	45.00 m.	Type VI	I-Girders	Each
406 (2)	a	Prestressed Concrete			T-Girder	Lump Sum
406 (2)	b	Prestressed Concrete			Box Girder	Lump Sum
406 (3)	a	Prestressed Concrete			T-Girder	Cubic Meter
406 (3)	b	Prestressed Concrete			Box Girder	Cubic Meter

ITEM 407– CONCRETE STRUCTURES

Pay Item	Suffix	Description	Valid Values	Unit Of Measure
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(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
407 (1)		Concrete (Refer to Item 405)		A		Cubic Meter
407 (2)		Concrete Post/Baluster Railings (Refer to Item 401)				Each
407 (3)		Parapet Walls				Cubic Meter
407 (4)		Piling (Refer to Item 400)				Linear Meter
407 (5)		Structure Excavation (Refer to Item 103)				Cubic Meter
407 (6)		Sidewalk Concrete (Refer to Item 601)				Cubic Meter
407 (7)		Reinforcing Steel Bars (Refer to Item 404)			Grade 40	Kilogram
407 (8)		Lean Concrete (Refer to Item 901)			Class B (16.5 Mpa)	Cubic Meter
<i>*When more than one item is specified, means of identification shall be inserted in parenthesis immediately after the Pay Item and letter suffixes shall be included within the parenthesis of the Pay Item Number.</i>						

ITEM 408– STEEL BRIDGES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
408 (1)		Steel Bridges				Lump Sum
<i>*The quantities, measured as prescribed above, shall be paid for at the contract unit price for the several Pay Items which price and payments shall be full compensation for furnishing, preparing, fabricating, transporting, placing and erecting all structural steel and all other materials for the complete structure; for all shop work, painting and field work; for all labor, equipment, tools and incidentals necessary to complete the Item. Such payment shall constitute full payment for the completed structure ready for use, and no allowance shall be made for cofferdam construction, falsework, or other erection expenses.</i>						

ITEM 409 – WELDED STRUCTURAL STEEL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
409 (1)		Welded Structural Steel				Lump Sum
<i>*Unless otherwise provided in the Special Provisions, welded structural steel structures shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract price for other Items.</i>						

ITEM 410 – TREATED AND UNTREATED TIMBER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
410 (1)		Timber				Cubic Meter
410 (2)		Treated Timber				Cubic Meter

ITEM 411 – PAINT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
411 (1)		Paint				Lump Sum
411 (2)		Paint				Square Meter
<i>*Painting shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract unit price of the Items where called for.</i>						

ITEM 412 – ELASTOMERIC BEARING PADS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
412 (1)		Elastomeric Bearing Pads				Each

ITEM 413 - PREFORMED SPONGE RUBBER AND CORK JOINT EXPANSION FILLERS FOR CONCRETE PAVING AND STRUCTURAL CONSTRUCTION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
413 (1)	a	Preformed Sponge Rubber Joint Expansion				Cubic Meter
413 (1)	b	Preformed Cork Joint Expansion				Cubic Meter

ITEM 414 - FORMS AND FALSEWORKS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
414 (1)		Forms and Falsework				Lump Sum

ITEM 415 – ELASTOMERIC, HOT-APPLIED JOINT SEALANT WITH SINGLE-SIZED AGGREGATES FOR BRIDGE EXPANSION JOINTS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
415 (1)		Elastomeric, Hot-Applied Expansion Joint Sealant (with Single-Sized Aggregates)				Cubic Meter

ITEM 416 – CARBON FIBER SHEET AND GLASS FIBER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
416 (1)	a	Carbon Fiber Sheet			1 Layer	Square Meter
416 (1)	b	Carbon Fiber Sheet			2 Layers	Square Meter
416 (1)	c	Carbon Fiber Sheet			3 Layers	Square Meter
416 (2)		Glass Fiber				Square Meter

ITEM 416A – CARBON FIBER PLATE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
416A (1)		Carbon Fiber Plate				Square Meter

ITEM 417 – BEARING DEVICES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

417 (1)	a	Bearing Devices			Steel Bearing	Each
417 (1)	b	Bearing Devices			Rubble Bearing	Each
417 (1)	c	Bearing Devices			High Dumping Rubble Bearing	Each

ITEM 418 – ASPHALTIC PLUG JOINTS (APJ) FOR BRIDGES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
418 (1)		Asphaltic Plug Joints (APJ) for Bridges				Each

PART G - DRAINAGE AND SLOPE PROTECTION STRUCTURES**ITEM 500 - PIPE CULVERTS AND STORM DRAIN**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
500 (1)	a1	Pipe Culverts	610 mm dia.	Class II	RCPC	Linear Meter
500 (1)	a2	Pipe Culverts	760 mm dia.	Class II	RCPC	Linear Meter
500 (1)	a3	Pipe Culverts	910 mm dia.	Class II	RCPC	Linear Meter
500 (1)	a4	Pipe Culverts	1070 mm dia.	Class II	RCPC	Linear Meter
500 (1)	a5	Pipe Culverts	1220 mm dia.	Class II	RCPC	Linear Meter
500 (1)	a6	Pipe Culverts	1520 mm dia.	Class II	RCPC	Linear Meter
500 (1)	b1	Pipe Culverts	610 mm dia.	Class IV	RCPC	Linear Meter
500 (1)	b2	Pipe Culverts	760 mm dia.	Class IV	RCPC	Linear Meter
500 (1)	b3	Pipe Culverts	910 mm dia.	Class IV	RCPC	Linear Meter
500 (1)	b4	Pipe Culverts	1070 mm dia.	Class IV	RCPC	Linear Meter
500 (1)	b5	Pipe Culverts	1220 mm dia.	Class IV	RCPC	Linear Meter
500 (1)	b6	Pipe Culverts	1520 mm dia.	Class IV	RCPC	Linear Meter
500 (2)		Storm Drain				Linear Meter

ITEM 501- UNDERDRAINS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
501 (1)		Underdrain	150 mm dia.			Linear Meter
501 (2)		Blind drain				Linear Meter
501 (3)		Granular backfill filter material for underdrains				Cubic Meter

ITEM 502 – MANHOLES, INLETS AND CATCH BASINS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
502 (1)	a1	Manholes	610 mm dia.	Concrete		Each
502 (1)	a2	Manholes	760 mm dia.	Concrete		Each

502 (1)	a3	Manholes	910 mm dia.	Concrete		Each
502 (1)	a4	Manholes	1070 mm dia.	Concrete		Each
502 (1)	a5	Manholes	1220 mm dia.	Concrete		Each
502 (1)	a6	Manholes	1520 mm dia.	Concrete		Each
502 (1)	b1	Manholes	610 mm dia.	CHB		Each
502 (1)	b2	Manholes	760 mm dia.	CHB		Each
502 (1)	b3	Manholes	910 mm dia.	CHB		Each
502 (1)	b4	Manholes	1070 mm dia.	CHB		Each
502 (1)	b5	Manholes	1220 mm dia.	CHB		Each
502 (1)	b6	Manholes	1520 mm dia.	CHB		Each
502 (2)	a1	Inlets, type	610 mm dia.			Each
502 (2)	a2	Inlets, type	760 mm dia.			Each
502 (2)	a3	Inlets, type	910 mm dia.			Each
502 (2)	a4	Inlets, type	1070 mm dia.			Each
502 (2)	a5	Inlets, type	1220 mm dia.			Each
502 (2)	a6	Inlets, type	1520 mm dia.			Each
502 (3)	a1	Catch basins	610 mm dia.			Each
502 (3)	a2	Catch basins	760 mm dia.			Each
502 (3)	a3	Catch basins	910 mm dia.			Each
502 (3)	a4	Catch basins	1070 mm dia.			Each
502 (3)	a5	Catch basins	1220 mm dia.			Each
502 (3)	a6	Catch basins	1520 mm dia.			Each
502 (4)	a1	Concrete covers	610 mm dia.			Each
502 (4)	a2	Concrete covers	760 mm dia.			Each
502 (4)	a3	Concrete covers	910 mm dia.			Each
502 (4)	a4	Concrete covers	1070 mm dia.			Each
502 (4)	a5	Concrete covers	1220 mm dia.			Each
502 (4)	a6	Concrete covers	1520 mm dia.			Each
502 (5)		Metal frames and gratings, type				Pair
502 (6)		Metal frames and covers				Pair
502 (7)		Adjusting manholes				Each
502 (8)		Adjusting catch basin				Each

ITEM 503 – DRAINAGE STEEL GRATING WITH FRAME

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
503 (1)		Metal frames and grating				Set
503 (2)		Metal frames and grating				Kilogram

ITEM 504 - CLEANING AND RECONDITIONING EXISTING DRAINAGE STRUCTURES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
504 (1)	a1	Removing, cleaning, stockpiling salvaged culvert pipe	610 mm dia.			Linear Meter
504 (1)	a2	Removing, cleaning, stockpiling salvaged culvert pipe	760 mm dia.			Linear Meter

504 (1)	a3	Removing, cleaning, stockpiling salvaged culvert pipe	910 mm dia.			Linear Meter
504 (1)	a4	Removing, cleaning, stockpiling salvaged culvert pipe	1070 mm dia.			Linear Meter
504 (1)	a5	Removing, cleaning, stockpiling salvaged culvert pipe	1220 mm dia.			Linear Meter
504 (1)	a6	Removing, cleaning, stockpiling salvaged culvert pipe	1520 mm dia.			Linear Meter
504 (2)	a1	Removing, cleaning, and relaying salvaged culvert pipe	610 mm dia.			Linear Meter
504 (2)	a2	Removing, cleaning, and relaying salvaged culvert pipe	760 mm dia.			Linear Meter
504 (2)	a3	Removing, cleaning, and relaying salvaged culvert pipe	910 mm dia.			Linear Meter
504 (2)	a4	Removing, cleaning, and relaying salvaged culvert pipe	1070 mm dia.			Linear Meter
504 (2)	a5	Removing, cleaning, and relaying salvaged culvert pipe	1220 mm dia.			Linear Meter
504 (2)	a6	Removing, cleaning, and relaying salvaged culvert pipe	1520 mm dia.			Linear Meter
504 (3)	a1	Cleaning culvert pipe in place	610 mm dia., half-silted			Linear Meter
504 (3)	a2	Cleaning culvert pipe in place	760 mm dia., half-silted			Linear Meter
504 (3)	a3	Cleaning culvert pipe in place	910 mm dia., half-silted			Linear Meter
504 (3)	a4	Cleaning culvert pipe in place	1070 mm dia., half-silted			Linear Meter
504 (3)	a5	Cleaning culvert pipe in place	1220 mm dia., half-silted			Linear Meter
504 (3)	a6	Cleaning culvert pipe in place	1520 mm dia., half-silted			Linear Meter
504 (4)		Reconditioning drainage structures				Each
<i>*If more than one type of drainage structure is described for an Item in the Bid Schedule, letter suffixes shall be added to the item Number to differentiate between such structures.</i>						
<i>*If no Pay Item from the list above appears in the Bid Schedule, the pipe removed will be considered as included in the work Item 101, Removal of Structures and Obstructions.</i>						

ITEM 505 - RIPRAP AND GROUTED RIPRAP

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
505 (1)	a	Riprap		A		Cubic Meter

505 (1)	b	Riprap		B		Cubic Meter
505 (1)	c	Riprap		C		Cubic Meter
505 (1)	d	Riprap		D		Cubic Meter
505 (2)	a	Grouted Riprap		A		Cubic Meter
505 (2)	b	Grouted Riprap		B		Cubic Meter
505 (2)	c	Grouted Riprap		C		Cubic Meter
505 (2)	d	Grouted Riprap		D		Cubic Meter
505 (3)		Filter layer of granular material				Cubic Meter

ITEM 506 – STONE MASONRY

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
506 (1)		Stone Masonry				Cubic Meter

ITEM 507 – RUBBLE CONCRETE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
507 (1)		Rubble Concrete				Cubic Meter

ITEM 508 – HAND-LAID ROCK EMBANKMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
508 (1)		Hand-Laid Rock Embankment				Cubic Meter

ITEM 509 - SHEET PILES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
509 (1)		Sheet Piles		Timber	Furnished and Driven	Linear Meter
509 (2)	a	Sheet Piles		Steel	Slope Protection	Linear Meter
509 (2)	b	Sheet Piles		Steel	Cofferdamming	Linear Meter
509 (3)	a	Sheet Piles		Concrete	Furnished	Linear Meter
509 (3)	b	Sheet Piles		Concrete	Driven	Linear Meter
509 (3)	c	Sheet Piles		Concrete	Furnished and Driven	Linear Meter

ITEM 510 – CONCRETE SLOPE PROTECTION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

510 (1)		Bed Course Granular Material Concrete				Cubic Meter
510 (2)		Concrete			Slope Protection	Cubic Meter

ITEM 511 – GABIONS AND MATTRESSES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
511 (1)		Gabions				Cubic Meter
511 (2)		Mattresses				Cubic Meter
511 (3)		Filter Cloth				Square Meter

ITEM 512 - EROSION CONTROL MATS, ROVING, AND CELLULAR CONFINEMENT SYSTEMS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
512 (1)	a	Erosion Control Mat			Type 1	Square Meter
512 (1)	b	Erosion Control Mat			Type 2	Square Meter
512 (1)	c	Erosion Control Mat			Type 3	Square Meter
512 (1)	d	Erosion Control Mat			Type 4	Square Meter
512 (1)	e	Erosion Control Mat			Type 5	Square Meter
512 (2)		Roving				Square Meter
512 (3)		Cellular Confinement Systems				Square Meter

ITEM 513 – PERMANENT GROUND ANCHORS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
513 (1)		Permanent Ground Anchor				Linear Meter

ITEM 514 – SHOTCRETE (CONCRETE SPRAY)

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
514 (1)		Shotcrete with reinforcing steel				Square Meter
514 (2)		Shotcrete with reinforcing fibers				Square Meter

ITEM 515 – MECHANICALLY-STABILIZED EARTH (MSE) RETAINING WALLS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
515 (1)		Mechanically-Stabilized Earth (MSE) Retaining Walls				Square Meter
515 (2)		Select Granular Backfill				Cubic Meter
515 (3)		Structural Backfill				Cubic Meter

ITEM 516 – WET STONE MASONRY (COBBLE STONE)

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
516 (1)		Wet Stone Masonry				Linear Meter
516 (2)		Wet Stone Masonry				Cubic Meter

ITEM 517 – DRAIN PIPE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
517 (1)	a	Drain Pipe			Galvanized	Linear Meter
517 (1)	b	Drain Pipe			PVC	Linear Meter

ITEM 520 – HYDROSEEDING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
520 (1)		Hydroseeding				Square Meter

ITEM 522 – ROCKFALL PROTECTION SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
522 (1)		Rockfall Netting				Square Meter
522 (2)		Rockfall Barrier				Linear Meter

ITEM 522A – PROTECTION SYSTEM FOR UNSTABLE SLOPE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
522A (1)		Active Protection System				Square Meter
522A (2)		Passive/Rockfall Barrier				Linear Meter

PART H – MISCELLANEOUS STRUCTURES**ITEM 600 – CURB AND GUTTER**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
600 (1)		Concrete Curb			Cast in place	Linear Meter
600 (2)		Asphalt Curb			Cast in place	Linear Meter
600 (3)		Concrete Gutter			Cast in place	Linear Meter
600 (4)		Curb and Gutter			Cast in place	Linear Meter
600 (5)		Concrete Curb			Precast	Piece
600 (6)		Concrete Gutter			Precast	Piece

600 (7)		Curb and Gutter			Precast	Piece
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ITEM 601 – SIDEWALK

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
601 (1)		Sidewalk	100 mm thk.			Square Meter

ITEM 602 – MONUMENTS, MARKERS AND GUIDE POSTS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
602 (1)	a	Right-of-Way monuments			Timber	Each
602 (1)	b	Right-of-Way monuments			Concrete	Each
602 (2)	a	Maintenance marker posts			Cast-in-place	Each
602 (2)	b	Maintenance marker posts			Precast	Each
602 (2)	c	Maintenance marker posts			Timber	Each
602 (3)	a	Kilometer posts			Cast-in-place	Each
602 (3)	b	Kilometer posts			Precast	Each
602 (4)	a	Guide Posts	1000±50 high, 100mm±5 wide, 50mm±5 thick, 500mm depth (min)		Timber with 3" dia. (75mm) reflector	Each
602 (4)	b1	Guide Posts	1000±50 high, 100mm±5 wide, 50mm±5 thick, 350mm depth (min)	Flexible	Non-timber with 3" dia. (75mm) reflector	Each
602 (4)	b2	Guide Posts	1000±50 high, 100mm±5 wide, 50mm±5 thick, 350mm depth (min)	Semi-flexible	Non-timber with 3" dia. (75mm) reflector	Each
602 (4)	b3	Guide Posts	1000±50 high, 100mm±5 wide, 50mm±5 thick, 500mm depth (min)	Rigid	Non-timber with 3" dia. (75mm) reflector	Each
602 (5)		Precast Guide posts			Rectangular	Each
602 (6)		Cast-in-place Guide posts			Precast	Each

ITEM 603 – GUARDRAIL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
603 (1)		Guardrail (Wire rope or Wire cable)				Linear Meter

603 (2)		Cable Guardrail (Chain Link Fabric)				Linear Meter
603 (3)	a1	Metal Guardrail (Metal Beam) Including Post			W-Beam	Linear Meter
603 (3)	a2	Metal Guardrail (Metal Beam) Including Post			Thrie-Beam	Linear Meter
603 (4)	a	Metal Beam End Piece			Fish Tail	Each
603 (4)	b	Metal Beam End Piece			Bull Nose	Each
603 (4)	c	Metal Beam End Piece			Eccentric Loader Breakaway Cable Terminal (ELT)	Each
603 (5)		Guardrail (Timber)				Linear Meter

ITEM 604 – FENCING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
604 (1)		Fencing Barbed wire				Linear Meter
604 (2)		Fencing Chain Link Fence Fabric				Linear Meter
604 (3)		Fencing Posts				Each
604 (4)		Fencing Gates				Each
604 (5)		Concrete Fence including Post				Square Meter

ITEM 605 – ROAD SIGN

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
605 (1)	a1	Warning Signs	600 mm	W1-1A	Horizontal Alignment Sharp Turn L or R	Each
605 (1)	a2	Warning Signs	750 mm	W1-1B	Horizontal Alignment Sharp Turn L or R	Each
605 (1)	a3	Warning Signs	900 mm	W1-1C	Horizontal Alignment Sharp Turn L or R	Each
605 (1)	b1	Warning Signs	600 mm	W1-2A	Horizontal Alignment Reverse Turn L or R	Each
605 (1)	b2	Warning Signs	750 mm	W1-2B	Horizontal Alignment Reverse Turn L or R	Each
605 (1)	b3	Warning Signs	900 mm	W1-2C	Horizontal Alignment Reverse Turn L or R	Each

605 (1)	c1	Warning Signs	600 mm	W1-3A	Horizontal Alignment Curve L or R	Each
605 (1)	c2	Warning Signs	750 mm	W1-3B	Horizontal Alignment Curve L or R	Each
605 (1)	c3	Warning Signs	900 mm	W1-3C	Horizontal Alignment Curve L or R	Each
605 (1)	d1	Warning Signs	600 mm	W1-4A	Horizontal Alignment Reverse Curve L or R	Each
605 (1)	d2	Warning Signs	750 mm	W1-4B	Horizontal Alignment Reverse Curve L or R	Each
605 (1)	d3	Warning Signs	900 mm	W1-4C	Horizontal Alignment Reverse Curve L or R	Each
605 (1)	e1	Warning Signs	600 mm	W1-5A	Horizontal Alignment Winding Road L or R	Each
605 (1)	e2	Warning Signs	750 mm	W1-5B	Horizontal Alignment Winding Road L or R	Each
605 (1)	f1	Warning Signs	600 mm	W1-6A	Horizontal Alignment Hairpin Bend L or R	Each
605 (1)	f2	Warning Signs	750 mm	W1-6B	Horizontal Alignment Hairpin Bend L or R	Each
605 (1)	g1	Warning Signs	450 mm	W2-1A	Intersection and Junction Signs Cross Road	Each
605 (1)	g2	Warning Signs	600 mm	W2-1B	Intersection and Junction Signs Cross Road	Each
605 (1)	g3	Warning Signs	750 mm	W2-1C	Intersection and Junction Signs Cross Road	Each

605 (1)	g4	Warning Signs	900 mm	W2-1D	Intersection and Junction Signs Cross Road	Each
605 (1)	h1	Warning Signs	450 mm	W2-2A	Intersection and Junction Signs Staggered Side Road Junction L or R	Each
605 (1)	h2	Warning Signs	600 mm	W2-2B	Intersection and Junction Signs Staggered Side Road Junction L or R	Each
605 (1)	h3	Warning Signs	750 mm	W2-2C	Intersection and Junction Signs Staggered Side Road Junction L or R	Each
605 (1)	h4	Warning Signs	900 mm	W2-2D	Intersection and Junction Signs Staggered Side Road Junction L or R	Each
605 (1)	i1	Warning Signs	600 mm	W2-3A	Intersection and Junction Signs Skewed Intersection	Each
605 (1)	i2	Warning Signs	750 mm	W2-3B	Intersection and Junction Signs Skewed Intersection	Each
605 (1)	i3	Warning Signs	900 mm	W2-3C	Intersection and Junction Signs Skewed Intersection	Each
605 (1)	j1	Warning Signs	450 mm	W2-4A	Intersection and Junction Signs T-Junction	Each
605 (1)	j2	Warning Signs	600 mm	W2-4B	Intersection and Junction Signs T-Junction	Each
605 (1)	j3	Warning Signs	750 mm	W2-4C	Intersection and Junction Signs T-Junction	Each
605 (1)	j4	Warning Signs	900 mm	W2-4D	Intersection and Junction Signs T-Junction	Each

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605 (1)	k1	Warning Signs	450 mm	W2-5A	Intersection and Junction Signs Y-Junction	Each
605 (1)	k2	Warning Signs	600 mm	W2-5B	Intersection and Junction Signs Y-Junction	Each
605 (1)	k3	Warning Signs	750 mm	W2-5C	Intersection and Junction Signs Y-Junction	Each
605 (1)	k4	Warning Signs	900 mm	W2-5D	Intersection and Junction Signs Y-Junction	Each
605 (1)	l1	Warning Signs	450 mm	W2-6A	Intersection and Junction Signs Side Road Junction L or R	Each
605 (1)	l2	Warning Signs	600 mm	W2-6B	Intersection and Junction Signs Side Road Junction L or R	Each
605 (1)	l3	Warning Signs	750 mm	W2-6C	Intersection and Junction Signs Side Road Junction L or R	Each
605 (1)	l4	Warning Signs	900 mm	W2-6D	Intersection and Junction Signs Side Road Junction L or R	Each
605 (1)	m1	Warning Signs	450 mm	W2-7A	Intersection and Junction Signs Runabout Ahead	Each
605 (1)	m2	Warning Signs	600 mm	W2-7B	Intersection and Junction Signs Runabout Ahead	Each
605 (1)	m3	Warning Signs	750 mm	W2-7C	Intersection and Junction Signs Runabout Ahead	Each
605 (1)	n1	Warning Signs	600 mm	W2-8B	Intersection and Junction Signs Priority Junction	Each
605 (1)	n2	Warning Signs	750 mm	W2-8C	Intersection and Junction Signs Priority Junction	Each

605 (1)	n3	Warning Signs	900 mm	W2-8D	Intersection and Junction Signs Priority Junction	Each
605 (1)	o1	Warning Signs	600 mm	W2-9B	Intersection and Junction Signs Priority Merging	Each
605 (1)	o2	Warning Signs	750 mm	W2-9C	Intersection and Junction Signs Priority Merging	Each
605 (1)	o3	Warning Signs	900 mm	W2-9D	Intersection and Junction Signs Priority Merging	Each
605 (1)	p1	Warning Signs	450 mm	W2-10A	Intersection and Junction Signs Priority Cross	Each
605 (1)	p2	Warning Signs	600 mm	W2-10B	Intersection and Junction Signs Priority Cross	Each
605 (1)	p3	Warning Signs	750 mm	W2-10C	Intersection and Junction Signs Priority Cross	Each
605 (1)	p4	Warning Signs	900 mm	W2-10D	Intersection and Junction Signs Priority Cross	Each
605 (1)	q1	Warning Signs	600 mm	W3-1A	Advance Warning of Traffic Control Device Signs Signals Ahead	Each
605 (1)	q2	Warning Signs	750 mm	W3-1B	Advance Warning of Traffic Control Device Signs Signals Ahead	Each
605 (1)	q3	Warning Signs	900 mm	W3-1C	Advance Warning of Traffic Control Device Signs Signals Ahead	Each
605 (1)	q4	Warning Signs	1200 mm	W3-1D	Advance Warning of Traffic Control Device Signs Signals Ahead	Each

605 (1)	r1	Warning Signs	450 mm	W3-2A	Advance Warning of Traffic Control Device Signs Stop Sign Ahead	Each
605 (1)	r2	Warning Signs	600 mm	W3-2B	Advance Warning of Traffic Control Device Signs Stop Sign Ahead	Each
605 (1)	s1	Warning Signs	750 mm	W3-2C	Advance Warning of Traffic Control Device Signs Stop Sign Ahead	Each
605 (1)	s2	Warning Signs	450 mm	W3-3A	Advance Warning of Traffic Control Device Signs Give Way Sign Ahead	Each
605 (1)	s3	Warning Signs	600 mm	W3-3B	Advance Warning of Traffic Control Device Signs Give Way Sign Ahead	Each
605 (1)	s4	Warning Signs	750 mm	W3-3C	Advance Warning of Traffic Control Device Signs Give Way Sign Ahead	Each
605 (1)	t1	Warning Signs	450 mm	W4-1A	Road Width Sign Narrow Bridge	Each
605 (1)	t2	Warning Signs	600 mm	W4-1B	Road Width Sign Narrow Bridge	Each
605 (1)	t3	Warning Signs	750 mm	W4-1C	Road Width Sign Narrow Bridge	Each
605 (1)	t4	Warning Signs	450 x 700 mm	W4-1PA	Road Width Sign Narrow Bridge	Each
605 (1)	t5	Warning Signs	600 x 900 mm	W4-1PB	Road Width Sign Narrow Bridge	Each
605 (1)	t6	Warning Signs	750 x 1200 mm	W4-1PC	Road Width Sign Narrow Bridge	Each
605 (1)	u1	Warning Signs	450 mm	W4-2A	Road Width Sign Road Narrows	Each
605 (1)	u2	Warning Signs	600 mm	W4-2B	Road Width Sign Road Narrows	Each

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605 (1)	u3	Warning Signs	750 mm	W4-2C	Road Width Sign Road Narrows	Each
605 (1)	u4	Warning Signs	450 x 700 mm	W4-2PA	Road Width Sign Road Narrows	Each
605 (1)	u5	Warning Signs	600 x 900 mm	W4-2PB	Road Width Sign Road Narrows	Each
605 (1)	u6	Warning Signs	750 x 1200 mm	W4-2PC	Road Width Sign Road Narrows	Each
605 (1)	v1	Warning Signs	450 mm	W4-3A	Road Width Sign Divided Road	Each
605 (1)	v2	Warning Signs	600 mm	W4-3B	Road Width Sign Divided Road	Each
605 (1)	v3	Warning Signs	750 mm	W4-3C	Road Width Sign Divided Road	Each
605 (1)	v4	Warning Signs	900 mm	W4-3D	Road Width Sign Divided Road	Each
605 (1)	w1	Warning Signs	450 mm	W4-4A	Road Width Sign End Divided Road	Each
605 (1)	w2	Warning Signs	600 mm	W4-4B	Road Width Sign End Divided Road	Each
605 (1)	w3	Warning Signs	750 mm	W4-4C	Road Width Sign End Divided Road	Each
605 (1)	w4	Warning Signs	900 mm	W4-4D	Road Width Sign End Divided Road	Each
605 (1)	x1	Warning Signs	600 mm	W5-1B	Road Obstacle Signs Opening Bridge	Each
605 (1)	x2	Warning Signs	750 mm	W5-1C	Road Obstacle Signs Opening Bridge	Each
605 (1)	y1	Warning Signs	450 mm	W5-2A	Road Obstacle Signs Uneven Road	Each
605 (1)	y2	Warning Signs	600 mm	W5-2B	Road Obstacle Signs Uneven Road	Each
605 (1)	y3	Warning Signs	750 mm	W5-2C	Road Obstacle Signs Uneven Road	Each
605 (1)	y4	Warning Signs	900 mm	W5-2D	Road Obstacle Signs Uneven Road	Each
605 (1)	z1	Warning Signs	450 mm	W5-3A	Road Obstacle Signs Hump	Each
605 (1)	z2	Warning Signs	600 mm	W5-3B	Road Obstacle Signs Hump	Each

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605 (1)	z3	Warning Signs	750 mm	W5-3C	Road Obstacle Signs Hump	Each
605 (1)	z4	Warning Signs	900 mm	W5-3D	Road Obstacle Signs Hump	Each
605 (1)	aa1	Warning Signs	600 mm	W5-4B	Road Obstacle Signs Steep Descent	Each
605 (1)	aa2	Warning Signs	750 mm	W5-4C	Road Obstacle Signs Steep Descent	Each
605 (1)	aa3	Warning Signs	900 mm	W5-4D	Road Obstacle Signs Steep Descent	Each
605 (1)	ab1	Warning Signs	450 mm	W5-5A	Road Obstacle Signs Steep Climb	Each
605 (1)	ab2	Warning Signs	600 mm	W5-5B	Road Obstacle Signs Steep Climb	Each
605 (1)	ab3	Warning Signs	750 mm	W5-5C	Road Obstacle Signs Steep Climb	Each
605 (1)	ac1	Warning Signs	450 mm	W5-6A	Road Obstacle Signs Spill Way	Each
605 (1)	ac2	Warning Signs	600 mm	W5-6B	Road Obstacle Signs Spill Way	Each
605 (1)	ac3	Warning Signs	750 mm	W5-6C	Road Obstacle Signs Spill Way	Each
605 (1)	ac4	Warning Signs	900 mm	W5-6D	Road Obstacle Signs Spill Way	Each
605 (1)	ad1	Warning Signs	450 mm	W5-7A	Road Obstacle Signs Flood	Each
605 (1)	ad2	Warning Signs	600 mm	W5-7B	Road Obstacle Signs Flood	Each
605 (1)	ad3	Warning Signs	750 mm	W5-7C	Road Obstacle Signs Flood	Each
605 (1)	ad4	Warning Signs	900 mm	W5-7D	Road Obstacle Signs Flood	Each
605 (1)	ae1	Warning Signs	600 mm	W5-8B	Road Obstacle Signs Falling Rocks L or R	Each
605 (1)	ae2	Warning Signs	750 mm	W5-8C	Road Obstacle Signs Falling Rocks L or R	Each
605 (1)	ae3	Warning Signs	900 mm	W5-8D	Road Obstacle Signs Falling Rocks L or R	Each
605 (1)	af1	Warning Signs	450 mm	W5-9A	Road Obstacle Signs Slippery Road	Each

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605 (1)	af2	Warning Signs	600 mm	W5-9B	Road Obstacle Signs Slippery Road	Each
605 (1)	af3	Warning Signs	750 mm	W5-9C	Road Obstacle Signs Slippery Road	Each
605 (1)	af4	Warning Signs	900 mm	W5-9D	Road Obstacle Signs Slippery Road	Each
605 (1)	af5	Warning Signs	450mm X 700 mm	W5-9PA	Road Obstacle Signs Slippery Road	Each
605 (1)	af6	Warning Signs	600mm X 900 mm	W5-9PB	Road Obstacle Signs Slippery Road	Each
605 (1)	af7	Warning Signs	750mm X 1200 mm	W5-9PC	Road Obstacle Signs Slippery Road	Each
605 (1)	ag1	Warning Signs	600 mm	W5-10B	Road Obstacle Signs Animal Crossing	Each
605 (1)	ag2	Warning Signs	750 mm	W5-10C	Road Obstacle Signs Animal Crossing	Each
605 (1)	ag3	Warning Signs	900 mm	W5-10D	Road Obstacle Signs Animal Crossing	Each
605 (1)	ah1	Warning Signs	450 mm	W5-11A	Road Obstacle Signs Aircraft	Each
605 (1)	ah2	Warning Signs	600 mm	W5-11B	Road Obstacle Signs Aircraft	Each
605 (1)	ah3	Warning Signs	750 mm	W5-11C	Road Obstacle Signs Aircraft	Each
605 (1)	ah4	Warning Signs	900 mm	W5-11D	Road Obstacle Signs Aircraft	Each
605 (1)	ai1	Warning Signs	600mm X 600 mm	W6-1B	Pedestrian and School Signs Pedestrian Crossing Ahead	Each
605 (1)	ai2	Warning Signs	750mm X 750 mm	W6-1C	Pedestrian and School Signs Pedestrian Crossing Ahead	Each
605 (1)	ai3	Warning Signs	450mm X 750 mm	W6-1P	Pedestrian and School Signs Slow Down Pedestrian Crossing Ahead	Each
605 (1)	aj1	Warning Signs	600mm X 600 mm	W6-2B	Pedestrian and School Signs Children Crossing	Each

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605 (1)	aj2	Warning Signs	750mm X 750 mm	W6-2C	Pedestrian and School Signs Children Crossing	Each
605 (1)	ak1	Warning Signs	300mm X 450 mm	W6-3	Pedestrian and School Signs Cross Only At Ped Xing	Each
605 (1)	al1	Warning Signs	450mm X 450 mm	W6-4A	Pedestrian and School Signs Wheel Chair Crossing	Each
605 (1)	al2	Warning Signs	600mm X 600 mm	W6-4B	Pedestrian and School Signs Wheel Chair Crossing	Each
605 (1)	al3	Warning Signs	750mm X 750 mm	W6-4C	Pedestrian and School Signs Wheel Chair Crossing	Each
605 (1)	am1	Warning Signs	400mm X 900 mm	W6-5A	Pedestrian and School Signs Bike Lane Ahead	Each
605 (1)	am2	Warning Signs	600mm X 900 mm	W6-5B	Pedestrian and School Signs Bike Lane Ahead	Each
605 (1)	an1	Warning Signs	Railroad Cross Position	W7-1	Railway Level Crossing Signs Railroad Crossing Position	Each
605 (1)	ao1	Warning Signs	600 mm	W7-2B	Railway Level Crossing Signs Railway Crossing without signal	Each
605 (1)	ao2	Warning Signs	750 mm	W7-2C	Railway Level Crossing Signs Railway Crossing without signal	Each
605 (1)	ao3	Warning Signs	900 mm	W7-2D	Railway Level Crossing Signs Railway Crossing without signal	Each

605 (1)	ap1	Warning Signs	600 mm	W7-3B	Railway Level Crossing Signs Railway Crossing with signal	Each
605 (1)	ap2	Warning Signs	750 mm	W7-3C	Railway Level Crossing Signs Railway Crossing with signal	Each
605 (1)	ap3	Warning Signs	900 mm	W7-3D	Railway Level Crossing Signs Railway Crossing with signal	Each
605 (1)	aq1	Warning Signs	700mm X 900 mm	W7-4	Railway Level Crossing Signs Alternative Railway Crossing Position	Each
605 (1)	ar1	Warning Signs	600mm X 400 mm	W8-1A	Supplementary Signs Advisory Speed	Each
605 (1)	ar2	Warning Signs	750mm X 500 mm	W8-1B	Supplementary Signs Advisory Speed	Each
605 (1)	ar3	Warning Signs	900mm X 600 mm	W8-1C	Supplementary Signs Advisory Speed	Each
605 (1)	as1	Warning Signs	600mm X 400 mm	W8-2A	Supplementary Signs On Side Road	Each
605 (1)	as2	Warning Signs	750mm X 500 mm	W8-2B	Supplementary Signs On Side Road	Each
605 (1)	as3	Warning Signs	900mm X 600 mm	W8-2C	Supplementary Signs On Side Road	Each
605 (1)	at1	Warning Signs	600mm X 200 mm	W8-3A	Supplementary Signs Distance ... m	Each
605 (1)	at2	Warning Signs	750mm X 250 mm	W8-3B	Supplementary Signs Distance ... m	Each
605 (1)	at3	Warning Signs	900mm X 300 mm	W8-3C	Supplementary Signs Distance ... m	Each
605 (1)	au1	Warning Signs	600mm X 200 mm	W8-4A	Supplementary Signs Distance ... km	Each

605 (1)	au2	Warning Signs	750mm X 250 mm	W8-4B	Supplementary Signs Distance ... km	Each
605 (1)	au3	Warning Signs	900mm X 300 mm	W8-4C	Supplementary Signs Distance ... km	Each
605 (1)	av1	Warning Signs	600mm X 400 mm	W8-5A	Supplementary Signs When Wet	Each
605 (1)	av2	Warning Signs	750mm X 500 mm	W8-5B	Supplementary Signs When Wet	Each
605 (1)	av3	Warning Signs	900mm X 600 mm	W8-5C	Supplementary Signs When Wet	Each
605 (1)	aw1	Warning Signs	600mm X 200 mm	W8-6A	Supplementary Signs Blind	Each
605 (1)	aw2	Warning Signs	750mm X 250 mm	W8-6B	Supplementary Signs Blind	Each
605 (1)	aw3	Warning Signs	900mm X 300 mm	W8-6C	Supplementary Signs Blind	Each
605 (1)	ax1	Warning Signs	600mm X 200 mm	W8-7A	Supplementary Signs Aged	Each
605 (1)	ax2	Warning Signs	750mm X 250 mm	W8-7B	Supplementary Signs Aged	Each
605 (1)	ax3	Warning Signs	900mm X 300 mm	W8-7C	Supplementary Signs Aged	Each
605 (1)	ay1	Warning Signs	600mm X 400 mm	W8-8A	Supplementary Signs Playground	Each
605 (1)	ay2	Warning Signs	750mm X 500 mm	W8-8B	Supplementary Signs Playground	Each
605 (1)	ay3	Warning Signs	900mm X 600 mm	W8-8C	Supplementary Signs Playground	Each
605 (1)	az1	Warning Signs	600mm X 200 mm	W8-9A	Supplementary Signs School	Each
605 (1)	az2	Warning Signs	750mm X 250 mm	W8-9B	Supplementary Signs School	Each
605 (1)	az3	Warning Signs	900mm X 300 mm	W8-9C	Supplementary Signs School	Each
605 (1)	ba1	Warning Signs	600mm X 200 mm	W8-10A	Supplementary Signs Disabled	Each
605 (1)	ba2	Warning Signs	750mm X 250 mm	W8-10B	Supplementary Signs Disabled	Each
605 (1)	ba3	Warning Signs	900mm X 300 mm	W8-10C	Supplementary Signs Disabled	Each

605 (1)	bb1	Warning Signs	1500mm X 600 mm	W9-1A	Other Warning Signs Vertical Clearance; CLEARANCE	Each
605 (1)	bb2	Warning Signs	1950mm X 600 mm	W9-1B	Other Warning Signs Vertical Clearance; LOW CLEARANCE	Each
605 (1)	bb3	Warning Signs	1060mm X 600 mm	W9-2A	Other Warning Signs Slow Down Accident Prone Area	Each
605 (1)	bb4	Warning Signs	1060mm X 600 mm	W9-2B	Other Warning Signs Bumagal Madalas Ang Aksidente Dito	Each
605 (1)	bb5	Warning Signs	1060mm X 600 mm	W9-3	Other Warning Signs Slow Down Merging Traffic Ahead	Each
605 (1)	bb6	Warning Signs	950mm X 600 mm	W9-4	Other Warning Signs Lane Ends - Merge Left	Each
605 (1)	bb7	Warning Signs	1060mm X 600 mm	W9-5	Other Warning Signs Slow Down Weighbridge Ahead	Each
605 (2)	a1	Regulatory Signs	450 x 450 mm	R1-1A	Priority Signs Stop	Each
605 (2)	a2	Regulatory Signs	600 x 600 mm	R1-1B	Priority Signs Stop	Each
605 (2)	a3	Regulatory Signs	750 x 750 mm	R1-1C	Priority Signs Stop	Each
605 (2)	a4	Regulatory Signs	900 x 900 mm	R1-1D	Priority Signs Stop	Each
605 (2)	b1	Regulatory Signs	600 mm	R1-2A	Priority Signs Give Way	Each
605 (2)	b2	Regulatory Signs	750 mm	R1-2B	Priority Signs Give Way	Each
605 (2)	b3	Regulatory Signs	900 mm	R1-2C	Priority Signs Give Way	Each
605 (2)	b4	Regulatory Signs	640 x 900 mm	R1-2P	Priority Signs Give Way	Each
605 (2)	c1	Regulatory Signs	500 x 750 mm	R1-3	Priority Signs Left Turner Must Give Way	Each
605 (2)	d1	Regulatory Signs	450 mm	R2-1A	Direction Signs NO TURNS; Disc Type	Each
605 (2)	d2	Regulatory Signs	450 mm	R2-2A	Direction Signs ONE WAY; Disc Type	Each

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605 (2)	d3	Regulatory Signs	450 mm	R2-3A	Direction Signs KEEP RIGHT; Disc Type	Each
605 (2)	d4	Regulatory Signs	450 mm	R2-4A	Direction Signs LANE SPLIT; Disc Type	Each
605 (2)	d5	Regulatory Signs	450 mm	R2-5A	Direction Signs ALL TRAFFIC; Disc Type	Each
605 (2)	d6	Regulatory Signs	450 mm	R2-6A	Direction Signs MERGING TRAFFIC; Disc Type	Each
605 (2)	d7	Regulatory Signs	450 mm	R2-7A	Direction Signs TWO WAY; Disc Type	Each
605 (2)	e1	Regulatory Signs	600 mm	R2-1B	Direction Signs NO TURNS; Disc Type	Each
605 (2)	e2	Regulatory Signs	600 mm	R2-2B	Direction Signs ONE WAY; Disc Type	Each
605 (2)	e3	Regulatory Signs	600 mm	R2-3B	Direction Signs KEEP RIGHT; Disc Type	Each
605 (2)	e4	Regulatory Signs	600 mm	R2-4B	Direction Signs LANE SPLIT; Disc Type	Each
605 (2)	e5	Regulatory Signs	600 mm	R2-5B	Direction Signs ALL TRAFFIC; Disc Type	Each
605 (2)	e6	Regulatory Signs	600 mm	R2-6B	Direction Signs MERGING TRAFFIC; Disc Type	Each
605 (2)	e7	Regulatory Signs	600 mm	R2-7B	Direction Signs TWO WAY; Disc Type	Each
605 (2)	f1	Regulatory Signs	750 mm	R2-1C	Direction Signs NO TURNS; Disc Type	Each
605 (2)	f2	Regulatory Signs	750 mm	R2-2C	Direction Signs ONE WAY; Disc Type	Each
605 (2)	f3	Regulatory Signs	750 mm	R2-3C	Direction Signs KEEP RIGHT; Disc Type	Each
605 (2)	f4	Regulatory Signs	750 mm	R2-4C	Direction Signs LANE SPLIT; Disc Type	Each
605 (2)	f5	Regulatory Signs	750 mm	R2-5C	Direction Signs ALL TRAFFIC; Disc Type	Each

605 (2)	f6	Regulatory Signs	750 mm	R2-6C	Direction Signs MERGING TRAFFIC; Disc Type	Each
605 (2)	f7	Regulatory Signs	750 mm	R2-7C	Direction Signs TWO WAY; Disc Type	Each
605 (2)	g1	Regulatory Signs	Disc Size 400 mm	R2-1PA	Direction Signs NO TURNS; Plate Type; 450 x 750 mm	Each
605 (2)	g2	Regulatory Signs	Disc Size 400 mm	R2-2PA	Direction Signs ONE WAY; Plate Type; 450 x 750 mm	Each
605 (2)	g3	Regulatory Signs	Disc Size 400 mm	R2-3PA	Direction Signs KEEP RIGHT; Plate Type; 450 x 750 mm	Each
605 (2)	g4	Regulatory Signs	Disc Size 400 mm	R2-5PA	Direction Signs ALL TRAFFIC; Plate Type; 450 x 750 mm	Each
605 (2)	g5	Regulatory Signs	Disc Size 400 mm	R2-6PA	Direction Signs MERGING TRAFFIC; Plate Type; 450 x 750 mm	Each
605 (2)	h1	Regulatory Signs	450 x 750 mm	R2-7PA	Other Directional Signs TWO WAY	Each
605 (2)	h2	Regulatory Signs	900 x 700 mm	R2-7S	Other Directional Signs SALUBONG NA TRAPIKO	Each
605 (2)	h3	Regulatory Signs	450 X 750 mm	R2-8A (R)	Other Directional Signs RIGHT LANE MUST TURN RIGHT	Each
605 (2)	h4	Regulatory Signs	450 X 750 mm	R2-8A (L)	Other Directional Signs LEFT LANE MUST TURN LEFT	Each
605 (2)	h5	Regulatory Signs	600 X 1000 mm	R2-8B (R)	Other Directional Signs RIGHT LANE MUST TURN RIGHT	Each
605 (2)	h6	Regulatory Signs	600 X 1000 mm	R2-8B (L)	Other Directional Signs LEFT LANE MUST TURN LEFT	Each

605 (2)	i1	Regulatory Signs	600 mm	R3-1A	Prohibitive or Restrictive Signs No Entry for All Vehicles	Each
605 (2)	i2	Regulatory Signs	750 mm	R3-1B	Prohibitive or Restrictive Signs No Entry for All Vehicles	Each
605 (2)	i3	Regulatory Signs	400 x 600 mm	R3-1PA	Prohibitive or Restrictive Signs No Entry for All Vehicles	Each
605 (2)	i4	Regulatory Signs	600 x 900 mm	R3-1PB	Prohibitive or Restrictive Signs No Entry for All Vehicles	Each
605 (2)	i5	Regulatory Signs	800 x 1200 mm	R3-1PC	Prohibitive or Restrictive Signs No Entry for All Vehicles	Each
605 (2)	j1	Regulatory Signs	450 mm	R3-2A	Prohibitive or Restrictive Signs No Entry for Cars	Each
605 (2)	j2	Regulatory Signs	450 mm	R3-3A	Prohibitive or Restrictive Signs No Entry for Jeepneys	Each
605 (2)	j3	Regulatory Signs	450 mm	R3-4A	Prohibitive or Restrictive Signs No Entry for Bicycles	Each
605 (2)	j4	Regulatory Signs	450 mm	R3-5A	Prohibitive or Restrictive Signs No Entry for Motorcycles	Each
605 (2)	j5	Regulatory Signs	450 mm	R3-6A	Prohibitive or Restrictive Signs No Entry for Tricycles	Each
605 (2)	j6	Regulatory Signs	450 mm	R3-7A	Prohibitive or Restrictive Signs No Entry for Buses	Each
605 (2)	j7	Regulatory Signs	450 mm	R3-8A	Prohibitive or Restrictive Signs No Entry for Trucks	Each
605 (2)	j8	Regulatory Signs	450 mm	R3-9A	Prohibitive or Restrictive Signs No Entry for Trucks with Trailer	Each

605 (2)	j9	Regulatory Signs	450 mm	R3-10A	Prohibitive or Restrictive Signs No Entry for Pedestrians	Each
605 (2)	j10	Regulatory Signs	450 mm	R3-11A	Prohibitive or Restrictive Signs No Entry for Animal Drawn Vehicle	Each
605 (2)	j11	Regulatory Signs	450 mm	R3-12A	Prohibitive or Restrictive Signs No Entry for Pushcarts	Each
605 (2)	k1	Regulatory Signs	600 mm	R3-2B	Prohibitive or Restrictive Signs No Entry for Cars	Each
605 (2)	k2	Regulatory Signs	600 mm	R3-3B	Prohibitive or Restrictive Signs No Entry for Jeepneys	Each
605 (2)	k3	Regulatory Signs	600 mm	R3-4B	Prohibitive or Restrictive Signs No Entry for Bicycles	Each
605 (2)	k4	Regulatory Signs	600 mm	R3-5B	Prohibitive or Restrictive Signs No Entry for Motorcycles	Each
605 (2)	k5	Regulatory Signs	600 mm	R3-6B	Prohibitive or Restrictive Signs No Entry for Tricycles	Each
605 (2)	k6	Regulatory Signs	600 mm	R3-7B	Prohibitive or Restrictive Signs No Entry for Buses	Each
605 (2)	k7	Regulatory Signs	600 mm	R3-8B	Prohibitive or Restrictive Signs No Entry for Trucks	Each
605 (2)	k8	Regulatory Signs	600 mm	R3-9B	Prohibitive or Restrictive Signs No Entry for Trucks with Trailer	Each
605 (2)	k9	Regulatory Signs	600 mm	R3-10B	Prohibitive or Restrictive Signs No Entry for Pedestrians	Each

605 (2)	k10	Regulatory Signs	600 mm	R3-11B	Prohibitive or Restrictive Signs No Entry for Animal Drawn Vehicle	Each
605 (2)	k11	Regulatory Signs	600 mm	R3-12B	Prohibitive or Restrictive Signs No Entry for Pushcarts	Each
605 (2)	l1	Regulatory Signs	750 mm	R3-2C	Prohibitive or Restrictive Signs No Entry for Cars	Each
605 (2)	l2	Regulatory Signs	750 mm	R3-3C	Prohibitive or Restrictive Signs No Entry for Jeepneys	Each
605 (2)	l3	Regulatory Signs	750 mm	R3-4C	Prohibitive or Restrictive Signs No Entry for Bicycles	Each
605 (2)	l4	Regulatory Signs	750 mm	R3-5C	Prohibitive or Restrictive Signs No Entry for Motorcycles	Each
605 (2)	l5	Regulatory Signs	750 mm	R3-6C	Prohibitive or Restrictive Signs No Entry for Tricycles	Each
605 (2)	l6	Regulatory Signs	750 mm	R3-7C	Prohibitive or Restrictive Signs No Entry for Buses	Each
605 (2)	l7	Regulatory Signs	750 mm	R3-8C	Prohibitive or Restrictive Signs No Entry for Trucks	Each
605 (2)	l8	Regulatory Signs	750 mm	R3-9C	Prohibitive or Restrictive Signs No Entry for Trucks with Trailer	Each
605 (2)	l9	Regulatory Signs	750 mm	R3-10C	Prohibitive or Restrictive Signs No Entry for Pedestrians	Each
605 (2)	l10	Regulatory Signs	750 mm	R3-11C	Prohibitive or Restrictive Signs No Entry for Animal Drawn Vehicle	Each

605 (2)	l11	Regulatory Signs	750 mm	R3-12C	Prohibitive or Restrictive Signs No Entry for Pushcarts	Each
605 (2)	m1	Regulatory Signs	450 x 600 mm	R3-10P1	Prohibitive or Restrictive Signs Use Overpass	Each
605 (2)	m2	Regulatory Signs	450 X 600 mm	R3-10P2	Prohibitive or Restrictive Signs Use Pedxing	Each
605 (2)	m3	Regulatory Signs	300 X 350 mm	R3-10P3	Prohibitive or Restrictive Signs Bawal tumawid gamitin ang Overpass	Each
605 (2)	n1	Regulatory Signs	600 mm	R3-13A	Prohibitive or Restrictive Signs Turning Prohibition; No Right Turn	Each
605 (2)	n2	Regulatory Signs	900 mm	R3-13B	Prohibitive or Restrictive Signs Turning Prohibition; No Right Turn	Each
605 (2)	n3	Regulatory Signs	450 x 750 mm	R3-13 PA	Prohibitive or Restrictive Signs Turning Prohibition; No Right Turn	Each
605 (2)	n4	Regulatory Signs	600 x 1000 mm	R3-13 PB	Prohibitive or Restrictive Signs Turning Prohibition; No Right Turn	Each
605 (2)	o1	Regulatory Signs	600 mm	R3-14A	Prohibitive or Restrictive Signs Turning Prohibition; No Left Turn	Each
605 (2)	o2	Regulatory Signs	900 mm	R3-14B	Prohibitive or Restrictive Signs Turning Prohibition; No Left Turn	Each

605 (2)	o3	Regulatory Signs	450 x 750 mm	R3-14 PA	Prohibitive or Restrictive Signs Turning Prohibition; No Left Turn	Each
605 (2)	o4	Regulatory Signs	600 x 1000 mm	R3-14 PB	Prohibitive or Restrictive Signs Turning Prohibition; No Left Turn	Each
605 (2)	p1	Regulatory Signs	600 mm	R3-15A	Prohibitive or Restrictive Signs Turning Prohibition; No U Turn	Each
605 (2)	p2	Regulatory Signs	900 mm	R3-15B	Prohibitive or Restrictive Signs Turning Prohibition; No U Turn	Each
605 (2)	p3	Regulatory Signs	450 x 750 mm	R3-15 PA	Prohibitive or Restrictive Signs Turning Prohibition; No U Turn	Each
605 (2)	p4	Regulatory Signs	600 x 1000 mm	R3-15 PB	Prohibitive or Restrictive Signs Turning Prohibition; No U Turn	Each
605 (2)	q1	Regulatory Signs	600 mm	R3-16A	Prohibitive or Restrictive Signs Prohibition of Overtaking	Each
605 (2)	q2	Regulatory Signs	900 mm	R3-16B	Prohibitive or Restrictive Signs Prohibition of Overtaking	Each
605 (2)	q3	Regulatory Signs	600 x 900 mm	R3-16 PA	Prohibitive or Restrictive Signs Prohibition of Overtaking; Bawal Lumusot	Each

605 (2)	q4	Regulatory Signs	750 x 1000 mm	R3-16 PB	Prohibitive or Restrictive Signs Prohibition of Overtaking; Bawal Lumusot	Each
605 (2)	r1	Regulatory Signs	450 mm	R4-1A	Speed Signs Speed Restriction (Maximum)	Each
605 (2)	r2	Regulatory Signs	600 mm	R4-1B	Speed Signs Speed Restriction (Maximum)	Each
605 (2)	r3	Regulatory Signs	900 mm	R4-1C	Speed Signs Speed Restriction (Maximum)	Each
605 (2)	r4	Regulatory Signs	450 x 450 mm	R4-2A	Speed Signs Speed Restriction (Minimum)	Each
605 (2)	s1	Regulatory Signs	600 x 600 mm	R4-2B	Speed Signs Speed De-restriction Signs	Each
605 (2)	s2	Regulatory Signs	450 x 750 mm	R4-2PA	Speed Signs Speed De-restriction Signs	Each
605 (2)	s3	Regulatory Signs	600 x 1000 mm	R4-2PB	Speed Signs Speed De-restriction Signs	Each
605 (2)	s4	Regulatory Signs	800 x 1334 mm	R4-2PC	Speed Signs Speed De-restriction Signs	Each
605 (2)	s5	Regulatory Signs	900 mm	R4-3A	Speed Signs Speed Restriction Signs	Each
605 (2)	t1	Regulatory Signs	450 mm	R5-1SA	Parking Signs No Parking (Disc)	Each
605 (2)	t2	Regulatory Signs	600 mm	R5-1SB	Parking Signs No Parking (Disc)	Each
605 (2)	u1	Regulatory Signs	450 x 750 mm	R5-1PA	Parking Signs No Parking (Pilipino Worded) (Plate)	Each
605 (2)	u2	Regulatory Signs	600 x 1000 mm	R5-1PC	Parking Signs No Parking (Pilipino Worded) (Plate)	Each
605 (2)	v1	Regulatory Signs	450 x 750 mm	R5-2PA	Parking Signs No Parking - Loading Only (Plate)	Each

605 (2)	v2	Regulatory Signs	600 x 1000 mm	R5-2PB	Parking Signs No Parking - Loading Only (Plate)	Each
605 (2)	w1	Regulatory Signs	450 x 750 mm	R5-3PA	Parking Signs No Parking - Anytime (Plate)	Each
605 (2)	w2	Regulatory Signs	600 x 1000 mm	R5-3PB	Parking Signs No Parking - Anytime (Plate)	Each
605 (2)	x1	Regulatory Signs	450 x 750 mm	R5-3CA	Parking Signs No Parking - Tow Away (Plate)	Each
605 (2)	x2	Regulatory Signs	600 x 1000 mm	R5-3CB	Parking Signs No Parking - Tow Away (Plate)	Each
605 (2)	y1	Regulatory Signs	450 x 750 mm	R5-4	Parking Signs Restricted Parking; Meter Parking	Each
605 (2)	y2	Regulatory Signs	450 x 750 mm	R5-4A	Parking Signs Restricted Parking; 2 Hour Parking	Each
605 (2)	z1	Regulatory Signs	450 x 750 mm	R5-4B	Parking Signs Loading Signs; Loading Zone	Each
605 (2)	z2	Regulatory Signs	450 x 750 mm	R5-4C	Parking Signs Loading Signs; Loading and Unloading Zone	Each
605 (2)	aa1	Regulatory Signs	450 x 750 mm	R5-5	Parking Signs No Waiting Signs	Each
605 (2)	aa2	Regulatory Signs	450 x 750 mm	R5-5A	Parking Signs No Waiting Signs	Each
605 (2)	aa3	Regulatory Signs	450 x 750 mm	R5-5B	Parking Signs No Waiting Signs	Each
605 (2)	ab1	Regulatory Signs	450 x 750 mm	R5-6	Parking Signs No Loading and Unloading Signs	Each
605 (2)	ab2	Regulatory Signs	450 x 750 mm	R5-6A	Parking Signs No Loading and Unloading Signs	Each

605 (2)	ab3	Regulatory Signs	450 x 750 mm	R5-7	Parking Signs No Loading/Unloading Within Red-Painted Curb	Each
605 (2)	ac1	Regulatory Signs	450 x 750 mm	R5-8	Parking Signs No Stopping Anytime	Each
605 (2)	ac2	Regulatory Signs	400 x 900 mm	R5-9A	Parking Signs No Parking or Stopping Signs; BUS Stop	Each
605 (2)	ac3	Regulatory Signs	400 x 900 mm	R5-9B	Parking Signs No Parking or Stopping Signs; PUJ Stop	Each
605 (2)	ac4	Regulatory Signs	400 x 900 mm	R5-9C	Parking Signs No Parking or Stopping Signs; Bus-PUJ Stop	Each
605 (2)	ad1	Regulatory Signs	400 x 600 mm	R5-10	Parking Signs Do Not Block Intersection	Each
605 (2)	ae1	Regulatory Signs	450 x 600 mm	R5-11	Parking Signs Right Turners Cross at Broken White Lines	Each
605 (2)	af1	Regulatory Signs	600 mm	R6-1	Miscellaneous Signs Prohibition on Use of Audible Warning Device	Each
605 (2)	ag1	Regulatory Signs	600 mm	R6-2	Miscellaneous Signs Load and Dimension Restriction Signs	Each
605 (2)	ag2	Regulatory Signs	600 mm	R6-3	Miscellaneous Signs Load and Dimension Restriction Signs	Each
605 (2)	ag3	Regulatory Signs	600 mm	R6-4	Miscellaneous Signs Load and Dimension Restriction Signs	Each
605 (2)	ag4	Regulatory Signs	600 mm	R6-5	Miscellaneous Signs Load and Dimension Restriction Signs	Each
605 (2)	ag5	Regulatory Signs	600 mm	R6-6	Miscellaneous Signs Load and Dimension Restriction Signs	Each

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605 (2)	ah1	Regulatory Signs	450 x 675 mm	R6-7	Miscellaneous Signs Use Seat Belt Sign	Each
605 (2)	ai1	Regulatory Signs	450 mm	R6-8A	Miscellaneous Signs Pedestrian Crossing	Each
605 (2)	ai2	Regulatory Signs	600 mm	R6-8B	Miscellaneous Signs Pedestrian Crossing	Each
605 (2)	ai3	Regulatory Signs	750 mm	R6-8C	Miscellaneous Signs Pedestrian Crossing	Each
605 (2)	aj1	Regulatory Signs	450 mm	R6-9A	Miscellaneous Signs School Children Crossing	Each
605 (2)	aj2	Regulatory Signs	600 mm	R6-9B	Miscellaneous Signs School Children Crossing	Each
605 (2)	aj3	Regulatory Signs	750 mm	R6-9C	Miscellaneous Signs School Children Crossing	Each
605 (2)	ak1	Regulatory Signs	450 mm	R6-10A	Miscellaneous Signs Bike Lane Signs	Each
605 (2)	ak2	Regulatory Signs	600 mm	R6-10B	Miscellaneous Signs Bike Lane Signs	Each
605 (2)	ak3	Regulatory Signs	750 mm	R6-10C	Miscellaneous Signs Bike Lane Signs	Each
605 (2)	al1	Regulatory Signs	450 mm	R6-11A	Miscellaneous Signs Wheel Chair Crossing Signs	Each
605 (2)	al2	Regulatory Signs	600 mm	R6-11B	Miscellaneous Signs Wheel Chair Crossing Signs	Each
605 (2)	al3	Regulatory Signs	750 mm	R6-11C	Miscellaneous Signs Wheel Chair Crossing Signs	Each
605 (3)	a1	Guide or Information Signs		G1-1	Advance Direction Signs Stack Signs	Each
605 (3)	a2	Guide or Information Signs		G1-2	Advance Direction Signs Stack Signs	Each
605 (3)	a3	Guide or Information Signs		G1-3	Advance Direction Signs Stack Signs	Each

605 (3)	b1	Guide or Information Signs		G1-4	Advance Direction Signs Diagrammatic Direction Signs	Each
605 (3)	b2	Guide or Information Signs		G1-5	Advance Direction Signs Diagrammatic Direction Signs	Each
605 (3)	c1	Guide or Information Signs		G2-1	Intersection Direction Signs	Each
605 (3)	c2	Guide or Information Signs		G2-2	Intersection Direction Signs	Each
605 (3)	c3	Guide or Information Signs		G2-3	Intersection Direction Signs	Each
605 (3)	c4	Guide or Information Signs		G2-4	Intersection Direction Signs	Each
605 (3)	d1	Guide or Information Signs		G3-1	Reassurance Direction Signs	Each
605 (3)	d2	Guide or Information Signs		G3-2	Reassurance Direction Signs	Each
605 (3)	e1	Guide or Information Signs		G4-1	Finger Board Direction Signs	Each
605 (3)	e2	Guide or Information Signs		G4-2	Finger Board Direction Signs	Each
605 (3)	e3	Guide or Information Signs		G4-3	Finger Board Direction Signs	Each
605 (3)	f1	Guide or Information Signs		G5-1	Street Name Signs	Each
605 (3)	f2	Guide or Information Signs		G5-2A	Street Name Signs	Each
605 (3)	f3	Guide or Information Signs		G5-2B	Street Name Signs	Each
605 (3)	f4	Guide or Information Signs		G5-3	Street Name Signs	Each
605 (3)	g1	Guide or Information Signs		G6-1	Town Name and Geographical Feature Signs Town Name	Each
605 (3)	g2	Guide or Information Signs		G6-2	Town Name and Geographical Feature Signs Province Name	Each
605 (3)	g3	Guide or Information Signs		G6-3	Town Name and Geographical Feature Signs Geographic Feature	Each

605 (3)	g4	Guide or Information Signs		G6-4	Town Name and Geographical Feature Signs Local Government Boundary	Each
605 (3)	h1	Guide or Information Signs		G7-1	Service Signs Service Center 2km	Each
605 (3)	h2	Guide or Information Signs		G7-2	Service Signs Weighbridge Station	Each
605 (3)	h3	Guide or Information Signs		G7-3	Service Signs Parking and Restrooms	Each
605 (3)	h4	Guide or Information Signs		G7-3A	Service Signs Gasoline Station and Restaurant or Cafes	Each
605 (3)	h5	Guide or Information Signs		G7-4	Service Signs Rest Area and Truck Parking Turn Left 300m	Each
605 (3)	h6	Guide or Information Signs		G7-5	Service Signs Shopping Center	Each
605 (3)	i1	Guide or Information Signs		G8-1	Tourist Information and Tourist Destination Signs	Each
605 (3)	i2	Guide or Information Signs		G8-2	Tourist Information and Tourist Destination Signs	Each
605 (3)	i3	Guide or Information Signs		G8-3	Tourist Information and Tourist Destination Signs	Each
605 (3)	i4	Guide or Information Signs		G8-4	Tourist Information and Tourist Destination Signs	Each
605 (3)	j1	Guide or Information Signs		G9-1	Route Markers Route Number	Each
605 (3)	j2	Guide or Information Signs		G9-2	Route Markers	Each
605 (3)	j3	Guide or Information Signs		G9-3	Route Markers	Each
605 (3)	j4	Guide or Information Signs		G9-4	Route Markers	Each
605 (3)	j5	Guide or Information Signs		G9-5	Route Markers	Each
605 (3)	j6	Guide or Information Signs		G9-6	Route Markers	Each
605 (3)	j7	Guide or Information Signs		G9-7	Route Markers END	Each

605 (3)	j8	Guide or Information Signs		G9-8	Route Markers	Each
605 (3)	k1	Guide or Information Signs	600mm X 750 mm	G10-1A	Asian Highway Route Markers	Each
605 (3)	k2	Guide or Information Signs	900 mm	G10-1B	Asian Highway Route Markers	Each
605 (4)	a1	Signs on Expressways		GE1-1	Expressway Approach Signs	Each
605 (4)	a2	Signs on Expressways		GE1-2	Expressway Approach Signs	Each
605 (4)	a3	Signs on Expressways		GE1-3	Expressway Approach Signs	Each
605 (4)	b1	Signs on Expressways		GE2-1A	Expressway Information Signs Prohibited on Expressway	Each
605 (4)	b2	Signs on Expressways		GE2-1B	Expressway Information Signs Prohibited on Expressway	Each
605 (4)	b3	Signs on Expressways		GE2-1C	Expressway Information Signs Prohibited on Expressway	Each
605 (4)	b4	Signs on Expressways		GE2-2	Expressway Information Signs Toll Charges (Advance Information)	Each
605 (4)	b5	Signs on Expressways		GE2-3	Expressway Information Signs Lane Direction Signs	Each
605 (4)	c1	Signs on Expressways		GE3-1	Advance Exit Signs Advance Exit with distance	Each
605 (4)	c2	Signs on Expressways		GE3-2	Advance Exit Signs Advance Exit with Distance plus RIGHT LANE	Each

605 (4)	c3	Signs on Expressways		GE3-3	Advance Exit Signs Supplementary Advance (NEXT EXIT)	Each
605 (4)	d1	Signs on Expressways		GE4-1	Expressway Exit Direction Signs Exit signs with Destination	Each
605 (4)	d2	Signs on Expressways		GE4-2	Expressway Exit Direction Signs NEXT EXIT.....KM	Each
605 (4)	d3	Signs on Expressways		GE4-3	Expressway Exit Direction Signs EXIT	Each
605 (4)	d4	Signs on Expressways		GE4-3A	Expressway Exit Direction Signs Numbered exit	Each
605 (4)	e1	Signs on Expressways	2800mm X 1500 mm	GE5-1	Expressway Service Signs Rest Area Right Lane 2km	Each
605 (4)	e2	Signs on Expressways	2800mm X 1500 mm	GE5-1A	Expressway Service Signs Rest Area Right Lane 2km	Each
605 (4)	e3	Signs on Expressways	2500mm X 1100 mm	GE5-2	Expressway Service Signs Rest Area 2km	Each
605 (4)	e4	Signs on Expressways	1500mm X 1800 mm	GE5-3	Expressway Service Signs Rest Area	Each
605 (4)	e5	Signs on Expressways	2800mm X 1500 mm	GE5-4	Expressway Service Signs Service Center 2km	Each
605 (4)	e6	Signs on Expressways	2240mm X 1800 mm	GE5-5	Expressway Service Signs Truck Parking 2km	Each
605 (4)	e7	Signs on Expressways	3240mm X 1800 mm	GE5-6	Expressway Service Signs Restaurant Next Exit	Each
605 (4)	e8	Signs on Expressways	2800mm X 1800 mm	GE5-7	Expressway Service Signs Truck Parking exit	Each
605 (4)	f1	Signs on Expressways	2300mm X 1500 mm	GE6-1	End of Expressway END EXPRWAY 1 Km	Each

605 (4)	f2	Signs on Expressways	1200mm X 600 mm	GE6-1A	End of Expressway END EXPRWAY 2 Km	Each
605 (4)	f3	Signs on Expressways	900mm X 450 mm	GE6-2	End of Expressway START EXPRWAY	Each
605 (4)	f4	Signs on Expressways	900mm X 450 mm	GE6-3	End of Expressway END EXPRWAY	Each
605 (4)	g1	Signs on Expressways	2600mm X 1600 mm	GE7-1	Toll Signs Toll Plaza Ahead	Each
605 (4)	g2	Signs on Expressways	1600mm X 1900 mm	GE7-2	Toll Signs Stop At Toll Gates	Each
605 (4)	g3	Signs on Expressways	2400mm X 1200 mm	GE7-3	Toll Signs Pay Toll Ahead	Each
605 (4)	h1	Signs on Expressways	2300mm X 1470 mm	GE8-1	Expressway Traffic Instruction and Regulatory Signs Wrong Way – Go Back	Each
605 (4)	h2	Signs on Expressways	1600mm X 1700 mm	GE8-2	Expressway Traffic Instruction and Regulatory Signs Right Lane Endsm	Each
605 (4)	h3	Signs on Expressways	2700mm X 1700 mm	GE8-3	Expressway Traffic Instruction and Regulatory Signs Right Lanes Ends Merge Left	Each
605 (4)	h4	Signs on Expressways	2700mm X 1400 mm	GE8-4	Expressway Traffic Instruction and Regulatory Signs Lane Ends Merge Left	Each
605 (4)	h5	Signs on Expressways	1750mm X 1500 mm	GE8-5	Expressway Traffic Instruction and Regulatory Signs Merge Left	Each

605 (4)	h6	Signs on Expressways	2400mm X 2950 mm	GE8-6	Expressway Traffic Instruction and Regulatory Signs Slow Vehicle Use Right Lane	Each
605 (4)	h7	Signs on Expressways	2000mm X 1100 mm	GE8-7	Expressway Traffic Instruction and Regulatory Signs Check Brakes	Each
605 (4)	i1	Signs on Expressways	2600mm X 2000 mm	S1-4E	Expressway Traffic Instruction and Regulatory Signs Reduced Speed Now	Each
605 (4)	j1	Signs on Expressways	900 Disc	R4-1C (XXX)	Expressway Traffic Instruction and Regulatory Signs Speed Limit Sign	Each
605 (4)	j2	Signs on Expressways	1200 Disc	R4-1D (XXX)	Expressway Traffic Instruction and Regulatory Signs Speed Limit Sign	Each
605 (4)	k1	Signs on Expressways	900 Disc	R4-3A (XX)	Expressway Traffic Instruction and Regulatory Signs Minimum Speed Limit	Each
605 (4)	k2	Signs on Expressways	1200 Disc	R4-3B (XX)	Expressway Traffic Instruction and Regulatory Signs Minimum Speed Limit	Each
605 (4)	l1	Signs on Expressways	900 Disc	R4-2C	Expressway Traffic Instruction and Regulatory Signs Speed De-restrictions	Each

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605 (4)	l2	Signs on Expressways	1200 Disc	R4-2D	Expressway Traffic Instruction and Regulatory Signs Speed De-restrictions	Each
605 (5)	a1	Traffic Instruction Signs	600mm X 300 mm	S1-1	Supplementary Signs USE OVERPASS	Each
605 (5)	a2	Traffic Instruction Signs	600mm X 450 mm	S1-2	Supplementary Signs USE PEDESTRIAN CROSSING	Each
605 (5)	a3	Traffic Instruction Signs	800mm X 600 mm	S1-3A	Supplementary Signs TRUCK USE LOW GEAR	Each
605 (5)	a4	Traffic Instruction Signs	1000mm X 750 mm	S1-3B	Supplementary Signs TRUCK USE LOW GEAR	Each
605 (5)	a5	Traffic Instruction Signs	620mm X 420 mm	S1-4	Supplementary Signs CHECK BRAKES	Each
605 (5)	b1	Traffic Instruction Signs	1500mm X 750 mm	S2-1	Movement Instruction Signs REDUCE SPEED	Each
605 (5)	b2	Traffic Instruction Signs	450mm X 750 mm	S2-2	Movement Instruction Signs STOP HERE ON RED SIGNAL	Each
605 (5)	b3	Traffic Instruction Signs	400mm X 600 mm	S2-3L	Movement Instruction Signs TURN LEFT WITH CARE	Each
605 (5)	b4	Traffic Instruction Signs	750mm X 500 mm	S2-3R	Movement Instruction Signs TURN RIGHT ANYTIME WITH CARE	Each
605 (5)	b5	Traffic Instruction Signs	1300mm X 350 mm	S2-4A	Movement Instruction Signs DETOUR FOR HIGH VEHICLES (L or R)	Each

605 (5)	b6	Traffic Instruction Signs	1400mm X 350 mm	S2-4A(L)(R)	Movement Instruction Signs DETOUR FOR HEAVY VEHICLES (L or R)	Each
605 (5)	b7	Traffic Instruction Signs	900mm X 600 mm	S2-5	Movement Instruction Signs GIVEWAY TO PEDESTRIANS	Each
605 (5)	b8	Traffic Instruction Signs	500mm X 800 mm	S2-6	Movement Instruction Signs NO RIGHT TURN ON RED SIGNAL	Each
605 (5)	b9	Traffic Instruction Signs	950mm X 1100 mm	S2-7	Movement Instruction Signs SLOW VEHICLES USE RIGHT LANE	Each
605 (5)	b10	Traffic Instruction Signs		S2-7A	Movement Instruction Signs MABAGAL NA SASAKYAN MAMALAGI SA KANAN	Each
605 (5)	b11	Traffic Instruction Signs		S2-7B	Movement Instruction Signs TRAK AT BUS MAMALAGI SA KANAN MALUBAN KUNG LULUSOT	Each
605 (5)	b12	Traffic Instruction Signs	600mm X 400 mm	S2-8A	Movement Instruction Signs NO THROUGH ROAD	Each
605 (5)	b13	Traffic Instruction Signs	900mm X 600 mm	S2-8B	Movement Instruction Signs NO THROUGH ROAD	Each
605 (5)	b14	Traffic Instruction Signs	900mm X 550 mm	S2-9	Movement Instruction Signs ROAD CLOSED	Each

605 (5)	b15	Traffic Instruction Signs	600mm X 800 mm	S2-10	Movement Instruction Signs FORM ONE (TWO) LANE	Each
605 (5)	b16	Traffic Instruction Signs	2100mm X 350 mm	S2-11	Movement Instruction Signs ALT ROUTE for TRUCKS and BUSES	Each
605 (6)	a	Hazard Markers	1600mm X 400 mm	HM 2	One-Way Hazard Markers	Each
605 (6)	b1	Hazard Markers	1800mm X 400 mm	HM 3	Obstruction Marker	Each
605 (6)	c1	Hazard Markers	2000mm X 400 mm	HM 4A	Two-Way Hazard Markers	Each
605 (6)	c2	Hazard Markers	1200mm X 400 mm	HM 4B	Two-Way Hazard Markers	Each
605 (6)	c3	Hazard Markers	400mm X 1000 mm	HM 5	Two-Way Hazard Markers	Each
605 (6)	d1	Hazard Markers	225mm X 450 mm	HM 6A	Width Marker (L or R)	Each
605 (6)	d2	Hazard Markers	450mm X 900 mm	HM 6B	Width Marker (L or R)	Each

ITEM 606 – PAVEMENT MARKINGS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
606 (1)	a1	Pavement markings		Premixed ReflectORIZED	White	Square Meter
606 (1)	a2	Pavement markings		Premixed ReflectORIZED	Yellow	Square Meter
606 (1)	b1	Pavement markings		ReflectORIZED Thermoplastic	White	Square Meter
606 (1)	b2	Pavement markings		ReflectORIZED Thermoplastic	Yellow	Square Meter

ITEM 607 – REFLECTIVE PAVEMENT STUDS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
607 (1)	a	ReflectORIZED Pavement Studs Flush Type			Mono-Directional	Each
607 (1)	b	ReflectORIZED Pavement Studs Flush Type			Bi-Directional	Each

607 (2)	a	Reflectorized Pavement Studs Raised Profile Type			Mono-Directional	Each
607 (2)	b	Reflectorized Pavement Studs Raised Profile Type			Bi-Directional	Each
607 (3)	a	Internally Illuminated (Solar) Pavement Levelled Marker/Stud Flush Type			Mono-Directional	Each
607 (3)	b	Internally Illuminated (Solar) Pavement Levelled Marker/Stud Flush Type			Bi-Directional	Each

ITEM 608 – TOPSOIL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
608 (1)		Furnishing and Placing Topsoil				Cubic Meter
608 (2)		Placing Topsoil				Cubic Meter

ITEM 609 - SPRIGGING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
609 (1)		Sprigging				100 Square Meter
609 (2)		Sprigging				Square Meter

ITEM 610 – SODDING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
610 (1)		Sodding				Square Meter

ITEM 611 – TREE PLANTING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
611 (1)		Trees Furnishing and Transplanting				Each
611 (2)		Trees Transplanting				Each

ITEM 612 – REFLECTIVE THERMOPLASTIC STRIPING MATERIAL (SOLID FORM)

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
612(1)		Reflectorized Thermoplastic Pavement Markings White				Square Meter
612(2)		Reflectorized Thermoplastic Pavement Markings Yellow				Square Meter

612(3)		Removal of Existing Reflectorized Thermoplastic Pavement Markings				Square Meter
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ITEM 613 - CONCRETE JOINT SEALANT (HOT-POURED ELASTIC AND COLD-APPLIED TYPES)

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
613 (1)		Concrete Joint Sealant (Hot-Poured Elastic Type)				Kilogram
613 (2)		Concrete Joint Sealant (Cold-Applied Type)				Kilogram

ITEM 614 - WATERSTOPS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
614 (1)	a1	Waterstop	100 mm.			Meter
614 (1)	a2	Waterstop	150 mm.			Meter
614 (1)	a3	Waterstop	200 mm.			Meter
614 (2)		Waterstop				Lump sum

ITEM 618 - REFLECTORIZED THERMOPLASTIC RUMBLE STRIPS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
618 (1)		Reflectorized Thermoplastic Rumble Strips				Square Meter

ITEM 620 – CHEVRON SIGNS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
620 (1)	a1	Chevron Signs			450x600mm	Each
620 (1)	a2	Chevron Signs			600x800mm	Each

ITEM 622 – COCONET BIO-ENGINEERING SOLUTIONS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
622 (1)	a	Coco-net			CN 400	Square Meter
622 (1)	b	Coco-net			CN 700	Square Meter
622 (1)	c	Coco-net			CN 900	Square Meter
622 (2)	a	Coco-logs/Fascine			CN 100	Linear Meter
622 (2)	b	Coco-logs/Fascine			CN 200	Linear Meter
622 (2)	c	Coco-logs/Fascine			CN 300	Linear Meter
622 (2)	d	Coco-logs/Fascine			CN 400	Linear Meter
622 (2)	e	Coco-logs/Fascine			CN 500	Linear Meter

622 (3)	a	Vegetation			Grass-Cover	Square Meter
622 (3)	b	Vegetation			Vetiver Grass System	Square Meter

ITEM 623 – TRAFFIC SIGNALIZATION PROJECTS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
623 (1)		Local Controller Footing		TSC1		Unit
623 (2)	a	Footing		TSC2	Type A (w/pedestal)	Unit
623 (2)	b	Footing		TSC3	Type A (w/o pedestal)	Unit
623 (2)	c	Footing		TSC4	Type B	Unit
623 (2)	d	Footing		TSC5	Type C	Unit
623 (2)	e	Footing		TSC5	Type D	Unit
623 (3)	a	Handhole		TSC6	Type B	Unit
623 (3)	b	Handhole		TSC7	Type A	Unit
623 (4)	a	Trenching - Double Barrel	100mm dia.	TSC8	P.E Pipe Concrete Pavement	Linear Meter
623 (4)	b	Trenching - Single Barrel	100mm dia.	TSC9	P.E Pipe Concrete Pavement	Linear Meter
623 (4)	c	Trenching - Double Barrel	100mm dia.	TSC10	P.E. Pipe on Asphalt Pavement	Linear Meter
623 (4)	d	Trenching - Single Barrel	100mm dia.	TSC11	P.E. Pipe on Asphalt Pavement	Linear Meter
623 (4)	e	Trenching - Double Barrel	100mm dia.	TSC12	P.E. Pipe on Concrete Sidewalk	Linear Meter
623 (4)	f	Trenching - Single Barrel	100mm dia.	TSC13	P.E. Pipe on Concrete Sidewalk	Linear Meter
623 (4)	g	Trenching - Double Barrel	100mm dia.	TSC14	P.E. Pipe on Earth Surface	Linear Meter
623 (4)	h	Trenching - Single Barrel	100mm dia.	TSC15	P.E. Pipe on Earth Surface	Linear Meter
623 (5)		Concrete Bollard		TSC16		Unit
623 (6)		Protection Cage for Local Controller		TSC17		Unit
623 (7)		Traffic Signal Flasher Controller		TSE1		Unit
623 (8)	a1	Local Controller Microprocessor type		TSE2	8 Signal Group	Unit
623 (8)	a2	Local Controller Microprocessor type		TSE3	16 Signal Group	Unit
623 (8)	a3	Local Controller Microprocessor type		TSE4	32 Signal Group	Unit
623 (9)	a1	Detector Card/Board		TSE5	8 Channel	Unit
623 (9)	a2	Detector Card/Board		TSE6	16 Channel	Unit

623 (10)	a1	Traffic Signal Head, LED-type	200mm 1 Aspect	TSE7	Amber Lens	Set
623 (10)	a2	Traffic Signal Head, LED-type	200mm 1 Aspect	TSE8	Red Lens	Set
623 (10)	a3	Traffic Signal Head, LED-type	200mm 1 Aspect	TSE9	Green Lens	Set
623 (10)	b1	Traffic Signal Head, LED-type	200mm 2 Aspect	TSE10		Set
623 (10)	b2	Traffic Signal Head, LED-type	200mm 3 Aspect	TSE11		Set
623 (10)	b3	Traffic Signal Head, LED-type	200mm 4 Aspect	TSE12		Set
623 (10)	b4	Traffic Signal Head, LED-type	200mm 5 Aspect	TSE13		Set
623 (10)	b5	Traffic Signal Head, LED-type	200mm 6 Aspect	TSE14		Set
623 (10)	c1	Traffic Signal Head, LED-type	300mm 1 Aspect	TSE15	Amber Lens	Set
623 (10)	c2	Traffic Signal Head, LED-type	300mm 1 Aspect	TSE16	Red Lens	Set
623 (10)	c3	Traffic Signal Head, LED-type	300mm 1 Aspect	TSE17	Green Lens	Set
623 (10)	d1	Traffic Signal Head, LED-type	300mm 2 Aspect	TSE18		Set
623 (10)	d2	Traffic Signal Head, LED-type	300mm 3 Aspect	TSE19		Set
623 (10)	d3	Traffic Signal Head, LED-type	300mm 4 Aspect	TSE20		Set
623 (10)	d4	Traffic Signal Head, LED-type	300mm 5 Aspect	TSE21		Set
623 (10)	d5	Traffic Signal Head, LED-type	300mm 6 Aspect	TSE22		Set
623 (11)		Pedestrian Signal Head, LED-type	300mm 2 Aspect	TSE23		Set
623 (12)		Pedestrian Pushbutton Assembly		TSE24		Set
623 (13)	a1	Mounting Bracket	200mm	TSE25		Set
623 (13)	a2	Mounting Bracket	300mm	TSE26		Set
623 (14)	a1	Arrow Mask	200mm	TSE27		Piece
623 (14)	a2	Arrow Mask	300mm	TSE28		Piece
623 (15)	a1	Target Board Polycarbonate or Powder-coated Aluminum Substrate for Traffic Signal Head	200mm 3 Aspect	TSE29		Piece
623 (15)	a2	Target Board Polycarbonate or Powder-coated Aluminum Substrate for Traffic Signal Head	200mm 4 Aspect	TSE30		Piece
623 (15)	a3	Target Board Polycarbonate or Powder-coated Aluminum Substrate for Traffic Signal Head	200mm 5 Aspect	TSE31		Piece
623 (15)	a4	Target Board Polycarbonate or Powder-coated Aluminum Substrate for Traffic Signal Head	200mm 6 Aspect	TSE32		Piece
623 (15)	a5	Target Board Polycarbonate or Powder-coated Aluminum Substrate for Traffic Signal Head	300mm 3 Aspect	TSE33		Piece
623 (15)	a6	Target Board Polycarbonate or Powder-coated Aluminum Substrate for Traffic Signal Head	300mm 4 Aspect	TSE34		Piece
623 (15)	a7	Target Board Polycarbonate or Powder-coated Aluminum Substrate for Traffic Signal Head	300mm 5 Aspect	TSE35		Piece
623 (15)	a8	Target Board Polycarbonate or Powder-coated Aluminum Substrate for Traffic Signal Head	300mm 6 Aspect	TSE36		Piece
623 (16)	a	Supply & Install Traffic Signal Pole		TSE37	Type A Mast Arm 4m outreach	Unit

623 (16)	b	Supply & Install Traffic Signal Pole		TSE38	Type B	Unit
623 (16)	c	Supply & Install Traffic Signal Pole		TSE39	Type C	Unit
623 (16)	d	Supply & Install Traffic Signal Pole		TSE40	Type D	Unit
623 (17)	a1	Traffic Signal Control Cable	4 Core	TSE41		Meter
623 (17)	a2	Traffic Signal Control Cable	8 Core	TSE42		Meter
623 (17)	a3	Traffic Signal Control Cable	12 Core	TSE43		Meter
623 (17)	a4	Traffic Signal Control Cable	19 Core	TSE44		Meter
623 (17)	a5	Traffic Signal Control Cable	29 Core	TSE45		Meter
623 (18)		Loop Detector Cable		TSE46		Meter
623 (19)		Loop Feeder Cable		TSE47		Meter
623 (20)		Loop Sealant		TSE48		Pail
623 (21)		Splicing Kit		TSE49		Piece
623 (22)		Grounding Cable		TSE50		Meter
623 (23)		Electricity/Power Supply Cable		TSE51		Meter
623 (24)		Main Circuit Breaker		TSE52		Piece
623 (25)		Mounting Strap		TSE53		Roll
623 (26)		Mounting Buckle		TSE54		Box
623 (27)		Terminal Board (20P)		TSE55		Piece
623 (28)		Terminal Lugs		TSE56		Piece
623 (29)		Grounding Rod & Connector		TSE57		Set
623 (30)	a1	Install Traffic Signal Head, LED-type	200mm 2 Aspect	TSI1		Set
623 (30)	a2	Install Traffic Signal Head, LED-type	200mm 3 Aspect	TSI2		Set
623 (30)	a3	Install Traffic Signal Head, LED-type	200mm 4 Aspect	TSI3		Set
623 (30)	a4	Install Traffic Signal Head, LED-type	200mm 5 Aspect	TSI4		Set
623 (30)	a5	Install Traffic Signal Head, LED-type	200mm 6 Aspect	TSI5		Set
623 (30)	b1	Install Traffic Signal Head, LED-type	300mm 2 Aspect	TSI6		Set
623 (30)	b2	Install Traffic Signal Head, LED-type	300mm 3 Aspect	TSI7		Set
623 (30)	b3	Install Traffic Signal Head, LED-type	300mm 4 Aspect	TSI8		Set
623 (30)	b4	Install Traffic Signal Head, LED-type	300mm 5 Aspect	TSI9		Set
623 (30)	b5	Install Traffic Signal Head, LED-type	300mm 6 Aspect	TSI10		Set
623 (31)		Install Pedestrian Signal Head, LED-type	300mm 2 Aspect	TSI11		Set
623 (32)		Install Pedestrian Pushbutton Assembly		TSI12		Set
623 (33)		Installation of Local Controller inc. Testing & Commissioning		TSI13		Unit
623 (34)		Loop Detector Installation		TSI14		Slot
623 (35)		Complete Installation of Local Wiring & Connection to Local Controller		TSI15		Site
623 (36)		Supply & Install Meter Base, Service Entrance & Main Circuit Breaker		TSI16		Site
623 (37)		Customization of Local Controller		TSI17		Unit

ITEM 624 - ROADWAY LIGHTING						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
624 (1)	a1	Single Arm Post, with Street Light	8m	LED	130W	Each
624 (1)	a2	Single Arm Post, with Street Light	9m	LED	175W	Each
624 (1)	a3	Single Arm Post, with Street Light	10m	LED	175W	Each
624 (1)	b1	Single Arm Post, with Street Light	8m	HPS	150W-250W	Each
624 (1)	b2	Single Arm Post, with Street Light	9m	HPS	250W	Each
624 (1)	b3	Single Arm Post, with Street Light	10m	HPS	400W	Each
624(1)	b4	Single Arm Post, with Street Light	12m	HPS	400W	Each
624 (2)	a1	Double Arm Post, with Street Light	8m	LED	130W	Each
624 (2)	a2	Double Arm Post, with Street Light	9m	LED	175W	Each
624 (2)	a3	Double Arm Post, with Street Light	10m	LED	175W	Each
624 (2)	b1	Double Arm Post, with Street Light	8m	HPS	150W-250W	Each
624 (2)	b2	Double Arm Post, with Street Light	9m	HPS	250W	Each
624 (2)	b3	Double Arm Post, with Street Light	10m	HPS	400W	Each
624 (2)	b4	Double Arm Post, with Street Light	12m	HPS	400W	Each
624 (3)	a	Undercarriage Luminaire		LED	75W	Each
624 (3)	b	Undercarriage Luminaire		HPS	150W	Each
624 (4)		Warning Light, Complete with Conduits				Each
624 (5)		Lighting Control Panel				Each
624 (6)		Main Feeder Distribution System				Lump Sum
624 (7)		Photoelectric Cells				Each

ITEM 625 - ROAD SAFETY AND TRAFFIC CONTROL DEVICES						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
625 (1)	a1	Delineators	200mm X 100mm X 3mm thick plate with 3" dia. (75mm) reflector	Button type	Zinc anneal plate with glass reflector of prismatic lenses	Each
625 (1)	a2	Delineators	200mm X 100mm X 3mm thick plate with 3" dia. (75mm) reflector	Button type	G.I. plate with glass reflector of prismatic lenses	Each
625 (1)	a3	Delineators	200mm X 100mm X 3mm thick plate with 3" dia. (75mm) retroreflective sheeting	Button type	Zinc anneal plate with retroreflective sheeting	Each

625 (1)	a4	Delineators	200mm X 100mm X 3mm thick plate with 3" dia. (75mm) retroreflective sheeting	Button type	G.I. plate with retroreflective sheeting	Each
625 (1)	b1	Delineators	4" X 4"	Aluminum	Panel Type - Retroreflective Sheeting	Each
625 (1)	b2	Delineators	4" X 4"	GI	Panel Type - Retroreflective Sheeting	Each
625 (1)	b3	Delineators	10" X 10"	Aluminum	Panel Type - Retroreflective Sheeting	Each
625 (1)	b4	Delineators	10" X 10"	GI	Panel Type - Retroreflective Sheeting	Each
625 (1)	c1	Delineators	2"X 4"	Aluminum	Panel type (L-Shaped) - Retroreflective Sheeting	Each
625 (1)	c2	Delineators	2"X 4"	GI	Panel type (L-Shaped) - Retroreflective Sheeting	Each
625 (2)	a1	Linear Delineation System (LDS)	34"X 4"	Aluminum	Rib Type	Each
625 (2)	a2	Linear Delineation System (LDS)	34"X 4"	GI	Rib Type	Each
625 (2)	a3	Linear Delineation System (LDS)	34"X 6"	Aluminum	Rib Type	Each
625 (2)	a4	Linear Delineation System (LDS)	34"X 6"	GI	Rib Type	Each
625 (3)	a1	Tubular Markers	1000mm (40") X 75mm (3") dia.	Surface Mounted	Collapsible Bollards	Each
625 (3)	a2	Tubular Markers	1000mm (40") X 75mm (3") dia.	In-ground Mounted	Collapsible Bollards	Each
625 (4)	a	Road Safety Barrier System		Semi-rigid	Box-Beam Steel	Each
625 (4)	b	Road Safety Barrier System		Rigid	Concrete Safety Shape (F-Shape/Jersey Type)	Each
625 (4)	c	Road Safety Barrier System		Rigid	Concrete Single Slope	Each
625 (4)	d	Road Safety Barrier System		Plastic	Jersey Type - Waterfilled	Each

625 (4)	e	Road Safety Barrier System		Steel	Guard Fence	Each
625 (5)	a1	Impact Attenuator/Crash Cushion		Stationary	Gating - Waterfilled	Each
625 (5)	a2	Impact Attenuator/Crash Cushion		Stationary	Gating - Sand Filled Barrels	Each
625 (5)	a3	Impact Attenuator/Crash Cushion		Stationary	Non-gating - Independent collapsible bays	Each
625 (5)	a4	Impact Attenuator/Crash Cushion		Stationary	Non-gating - High Molecular Weight/High Density Polyethylene (HMW/HDPE) side panels	Each
625 (5)	a5	Impact Attenuator/Crash Cushion		Stationary	Non-gating - Shock Absorbing Cable Mechanism	Each
625 (5)	a6	Impact Attenuator/Crash Cushion		Stationary	Truck-Mounted-Attenuator (TMA)	Each
625 (6)	a1	Traffic Control Devices	36" x 3" dia.	Plastic, Rubber, Synthetic Rubber	Temporary Bollard - Surface Mounted	Each
625 (6)	a2	Traffic Control Devices	1000 mm (40") x 75 mm (3") dia.	Plastic, Rubber, Synthetic Rubber	Temporary Bollard - Surface Mounted	Each
625 (6)	a3	Traffic Control Devices	28" high	Plastic, Rubber, Synthetic Rubber	Reflective Striped Traffic Cone	Each
625 (6)	a4	Traffic Control Devices	36" high	Plastic, Rubber, Synthetic Rubber	Reflective Striped Traffic Cone	Each
625 (6)	a5	Traffic Control Devices	1500 x 450 mm	T5-4	Temporary Hazard Markers	Each
625 (6)	a6	Traffic Control Devices	600 x 600 mm	T5-5	Temporary Hazard Markers	Each
625 (6)	a7	Traffic Control Devices	(2.5m - 4 m) x (150 mm - 200 mm)	Timber	Barrier Boards	Each
625 (6)	a8	Traffic Control Devices	(2.5m - 4 m) x (150 mm - 200 mm)	Plastic	Barrier Boards	Each
625 (6)	a9	Traffic Control Devices		Lightweight Plastic Units	Containment Fences	Each
625 (7)	a1	Traffic Control Devices	100mm wide	Tapes	Containment Fences	Meter

625 (7)	a2	Traffic Control Devices	1 m high	Mesh Fencing	Containment Fences	Meter
625 (8)	a1	Traffic Control Devices		Expanded Polystyrene (EPS) Foam	Antiglare Screen	Set
625 (8)	a2	Traffic Control Devices		Double Reverse Corrugated (DRC) Galvanized Steel Fabric	Antiglare Screen	Set
625 (9)	a1	Traffic Control Devices		High Impact Polymer	Antiglare Screen	Each
625 (9)	a2	Traffic Control Devices			Flashing Lamps	Each
625 (10)		Traffic Control Devices		Concrete	Temporary Curb	Linear Meter
625 (11)	a1	Traffic Control Devices		Interlocking Blocks	Temporary Curb	Each
625 (11)	a2	Traffic Control Devices		HMW/HDPE Plastic	Temporary Curb	Each
625 (11)	a3	Traffic Control Devices		Rotating Lights	Vehicle Mounted Equipment	Each
625 (11)	a4	Traffic Control Devices		Flashing Arrow Board	Vehicle Mounted Equipment	Each
625 (11)	a5	Traffic Control Devices			Variable Message Signs	Each
625 (11)	a6	Traffic Control Devices			Portable Traffic Signals	Each

ITEM 626 - TEMPORARY SIGNS (ROADWORKS)

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
626 (1)	a1	Advance Warning Signs	1800 x 600 mm	T1 - 1	Roadwork Ahead	Each
626 (1)	a2	Advance Warning Signs	1800 x 600 mm	T1 - 2	Bridgework Ahead	Each
626 (1)	a3	Advance Warning Signs	1200 x 600 mm	T1 - 3	Road Machinery Ahead	Each
626 (1)	a4	Advance Warning Signs	900 x 600 mm	T1 - 4	Grader Ahead	Each
626 (1)	a5	Advance Warning Signs	900 x 600 mm	T1 - 5	Workmen Ahead	Each
626 (1)	a6	Advance Warning Signs	1800 x 600 mm	T1 - 24	Roadwork Next km	Each
626 (1)	a7	Advance Warning Signs	1800 x 600 mm	T1 - 25	Roadwork On Side Road	Each
626 (1)	a8	Advance Warning Signs	600 x 600 mm	T1 - 28	Next 2 km	Each
626 (1)	a9	Advance Warning Signs	1800 x 600 mm	T2 - 16	End Roadwork	Each

626 (2)	a1	Regulatory Control Signs	450 mm diameter	T7-2	Stop Hand Held Sign	Each
626 (2)	a2	Regulatory Control Signs	450 mm diameter	T7 - 1	Slow Hand Held Sign	Each
626 (2)	a3	Regulatory Control Signs	900 x 600 mm	T1 - 18	Prepare To Stop	Each
626 (2)	a4	Regulatory Control Signs	600 x 800 mm (size B)	R4 - 1 (T)	Speed Restriction	Each
626 (2)	a5	Regulatory Control Signs	600 x 400 mm (size B)	R4 - 3 (T)	Road Work	Each
626 (2)	a6	Regulatory Control Signs	600 x 1000 mm (size B)	R4 - 2P	End Speed Restriction	Each
626 (2)	a7	Regulatory Control Signs	600 x 800 mm (size B)	R4 - 2 (T)	De - Restriction	Each
626 (3)	a1	Detour Signs	1200 x 600 mm	T1 - 6	Detour Ahead	Each
626 (3)	a2	Detour Signs	1200 x 300 mm	T5 - 1 (R)	Detour (Right)	Each
626 (3)	a3	Detour Signs	1200 x 300 mm	T5 - 1 (L)	Detour (Left)	Each
626 (3)	a4	Detour Signs	450 x 450 mm	T5 - 6A	Detour Marker	Each
626 (3)	a5	Detour Signs	900 x 600 mm	G9 - 40 -2	Local Traffic Only	Each
626 (3)	a6	Detour Signs	1200 x 600 mm	T2 - 23	End Detour	Each
626 (4)	a1	Road Conditions and Hazard Signs	900 x 600 mm	T3 - 1	Wet Tar	Each
626 (4)	a2	Road Conditions and Hazard Signs	900 x 600 mm	T3 - 3	Slippery	Each
626 (4)	a3	Road Conditions and Hazard Signs	900 x 600 mm	T3 -6	Soft Edges	Each
626 (4)	a4	Road Conditions and Hazard Signs	900 x 600 mm	T3 - 7	Rough Surface	Each
626 (4)	a5	Road Conditions and Hazard Signs	900 x 600 mm	T3 - 9	Loose Stones	Each
626 (4)	a6	Road Conditions and Hazard Signs	900 x 600 mm	T3 -13	Gravel Road	Each
626 (4)	a7	Road Conditions and Hazard Signs	900 x 600 mm	T3 - 14	Loose Surface	Each
626 (4)	a8	Road Conditions and Hazard Signs	1500 x 900 mm	T3 - 12	No Lines Do Not Overtake Unless Safe	Each
626 (4)	a9	Road Conditions and Hazard Signs	1200 x 900 mm	T1 - 10	Traffic Hazard Ahead	Each
626 (4)	a10	Road Conditions and Hazard Signs	900 x 600 mm	T2 - 25	Trucks Entering	Each
626 (4)	a11	Road Conditions and Hazard Signs	1800 x 900 mm	T4 - 5	Power Line Works in Progress	Each
626 (5)	a1	Lane and Road Closure Signs	1800 x 300 mm	T2 - 4	Road Closed	Each
626 (5)	a2	Lane and Road Closure Signs	1200 x 900 mm	T2 -6 -1	Lane Status	Each
626 (5)	a3	Lane and Road Closure Signs	1800 x 900 mm	T2 - 6 -2	Lane Status	Each
626 (6)	a1	Blasting Signs	1200 x 600 mm	T4 - 2	Blasting Area Switch Off Radio Transmitters	Each
626 (6)	a2	Blasting Signs	1200 x 450 mm	T4 - 3	End Blasting Area	Each

626 (7)	a1	Pedestrian Control Signs	900 x 600 mm	T8 - 1	Pedestrians Watch Your Step	Each
626 (7)	a2	Pedestrian Control Signs	1200 x 300 mm	T8 - 2 (R)	Pedestrians (Right)	Each
626 (7)	a3	Pedestrian Control Signs	1200 x 300 mm	T8 - 2 (L)	Pedestrians (Left)	Each
626 (7)	a4	Pedestrian Control Signs	900 x 600 mm	T8 - 3	Use Other Path	Each

PART I - MATERIALS DETAILS**ITEM 700 – HYDRAULIC CEMENT**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
700 (1)		Portland Cement and Masonry Cement				Bag

ITEM 701 – CONSTRUCTION LIME (HYDRATED)

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
701 (1)		Construction Lime (Hydrated)				Bag

ITEM 702 – BITUMINOUS MATERIALS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
702 (1)		Bituminous Materials				Metric Ton

ITEM 703 – AGGREGATES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
703 (1)		Aggregates				Cubic Meter

ITEM 703A – MINERAL FILLER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
703A (1)		Mineral Filler				Cubic Meter

ITEM 704 – MASONRY UNITS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
704 (1)		Masonry Units				Each

ITEM 705 – JOINT MATERIALS

Pay Item	Suffix	Description	Valid Values			Unit Of Measure
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(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
705 (1)		Joint Materials				Cubic Meter

ITEM 706 – CONCRETE, CLAY, PLASTIC AND FIBER PIPE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
706 (1)		Concrete, Clay, Plastic and Fiber Pipe				Linear Meter

ITEM 707 – METAL PIPE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
707 (1)		Metal Pipe				Linear Meter

ITEM 708 – CHEMICAL ADMIXTURES FOR CONCRETE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
708 (1)		Chemical Admixtures for Concrete				Liters

ITEM 709 – PAINTS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
709 (1)		Paints				Liters

ITEM 710 – REINFORCING STEEL AND WIRE ROPE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
710 (1)		Reinforcing Steel and Wire Rope				Kilogram

ITEM 711 – FENCE AND GUARDRAIL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
711 (1)		Fence and Guardrail				Square Meter

ITEM 712 – STRUCTURAL METAL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
712 (1)		Structural Metal				Kilogram

ITEM 713 – TREATED AND UNTREATED TIMBER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
713 (1)		Treated and Untreated Timber				Board-Foot

ITEM 714 – WATER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
714 (1)		Water				Liter

ITEM 715 – GEOTEXTILES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
715 (1)	a	Geotextile				Square Meter
715 (1)	b	Separation Geotextile				Square Meter
715 (1)	c	Drainage Geotextile				Square Meter
715 (1)	d	Paving Fabric				Square Meter
715 (1)	e	Hydraulic Filter				Square Meter
715 (2)		Silt Fence				Linear Meter
715 (3)		Remaining Sediment				Cubic Meter

ITEM 716 – DRILLING SLURRY

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
716 (1)		Drilling Slurry				Liter

ITEM 719 - EPOXY-RESIN-BASE BONDING SYSTEMS FOR CONCRETE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
719 (1)		Epoxy-Resin-Base Bonding Systems for Concrete				Linear Meter

**Epoxy-resin-base bonding system shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract unit price of the items where called for.*

ITEM 726 – COAL TAR SURFACE TREATMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
726 (1)		Coal Tar Surface Treatment				Square Meter

ITEM 727 – NON-SHRINK GROUT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

727 (1)		Non-Shrink Grout				Kilogram
<i>*Non-shrink grout shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract unit price of the items where called for.</i>						

ITEM 729 – PROTECTIVE COATING FOR CONCRETE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
729 (1)		Protective Coating for Concrete				Liter
<i>*Protective coating shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract unit price of the items where called for.</i>						

ITEM 733 – ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
733 (1)		Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products				Liter
<i>*Zinc (Hot-dip galvanized) coating shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract unit price of the Items where called for.</i>						

ITEM 734 – STONE MASTIC ASPHALT (SMA)

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
734 (1)		Stone Mastic Asphalt with Cellulose Fiber Surface Course, Hot-Laid	0.05 m thick			Square Meter

ITEM 735 - POROUS ASPHALT MIXTURE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
735 (1)		Porous Asphalt Pavement with Polymer Modified Bitumen	0.05 m thick			Square Meter

ITEM 737 – MECHANICAL COUPLERS FOR REINFORCING STEEL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
* Mechanical Coupler for Reinforcing Steel shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract unit price of the items where called for.						

ITEM 738 – EPOXY RESIN ADHESIVES FOR BONDING TRAFFIC MARKERS TO HARDENED PORTLAND CEMENT AND ASPHALT CONCRETE PAVEMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
<i>* Epoxy resin adhesives for bonding traffic markers to hardened Portland cement and asphalt concrete shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract unit price of the items where called for.</i>						

ITEM 739 - ALUMINUM CLADDING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
739 (1)		Aluminum Cladding				Square Meter

ITEM 740 – STRUCTURAL CONCRETE INJECTION AND CRACK REPAIR

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
740 (1)		Structural Concrete Injection and Crack Repair				Lump Sum

ITEM 741 – INTERLOCKING PRECAST CONCRETE BLOCKS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
741 (1)		Concrete Paving Blocks				Square Meter
741 (2)		Articulated Concrete Blocks				Square Meter

VOLUME III

**STANDARD SPECIFICATIONS
FOR PUBLIC WORKS
STRUCTURES**

PART I - FACILITIES FOR THE ENGINEER

**Refer to Blue Book Volume II, Part A*

PART II - OTHER GENERAL REQUIREMENTS

**Refer to Blue Book Volume II, Part B*

PART III - CIVIL, MECHANICAL, ELECTRICAL AND SANITARY/PLUMBING WORKS

DIVISION I – GENERAL

PART A - EARTHWORK

ITEM 800 – CLEARING AND GRUBBING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
800 (1)		Clearing and Grubbing				Square Meter
800 (2)		Clearing and Grubbing				Lump Sum
800 (3)	a1	Individual Removal of Trees	150 - 300 mm dia.		Small	Each
800 (3)	a2	Individual Removal of Trees	301 - 500 mm.dia		Small	Each
800 (3)	a3	Individual Removal of Trees	501 - 750 mm.dia		Small	Each
800 (3)	a4	Individual Removal of Trees	751 - 900 mm.dia		Small	Each
800 (4)		Individual Removal of Trees	above 900mm dia.		Large	Each

ITEM 801 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
801 (1)		Removal of Structures and Obstruction				Lump Sum
801 (2)		Removal of Actual Structures/Obstruction				Each
801 (3)	a	Removal of Actual Structures/Obstruction			PCCP	Square Meter

801 (3)	b	Removal of Actual Structures/Obstruction			ACP	Square Meter
801 (3)	c	Removal of Actual Structures/Obstruction			Sidewalk	Square Meter
801 (4)	a1	Removal of Actual Structures/Obstruction	610 mm dia.		RCPC	Linear Meter
801 (4)	a2	Removal of Actual Structures/Obstruction	760 mm dia.		RCPC	Linear Meter
801 (4)	a3	Removal of Actual Structures/Obstruction	910 mm dia.		RCPC	Linear Meter
801 (4)	a4	Removal of Actual Structures/Obstruction	1070 mm dia.		RCPC	Linear Meter
801 (4)	a5	Removal of Actual Structures/Obstruction	1220 mm dia.		RCPC	Linear Meter
801 (4)	a6	Removal of Actual Structures/Obstruction	1520 mm dia.		RCPC	Linear Meter
801 (4)	b	Removal of Actual Structures/Obstruction			Curb	Linear Meter
801 (4)	c	Removal of Actual Structures/Obstruction			Curb and Gutter	Linear Meter
801 (5)	a1	Removal of Pipes other than Pipe Culverts	50 mm dia.	PVC		Linear Meter
801 (5)	a2	Removal of Pipes other than Pipe Culverts	75 mm dia.	PVC		Linear Meter
801 (5)	a3	Removal of Pipes other than Pipe Culverts	100 mm dia.	PVC		Linear Meter
801 (5)	a4	Removal of Pipes other than Pipe Culverts	150 mm dia.	PVC		Linear Meter
801 (5)	a5	Removal of Pipes other than Pipe Culverts	200 mm dia.	PVC		Linear Meter
801 (5)	a6	Removal of Pipes other than Pipe Culverts	250 mm dia.	PVC		Linear Meter
801 (5)	a7	Removal of Pipes other than Pipe Culverts	300 mm dia.	PVC		Linear Meter
801 (5)	b1	Removal of Pipes other than Pipe Culverts	150 mm dia.	Concrete		Linear Meter
801 (5)	b2	Removal of Pipes other than Pipe Culverts	200 mm dia.	Concrete		Linear Meter
801 (5)	b3	Removal of Pipes other than Pipe Culverts	250 mm dia.	Concrete		Linear Meter
801 (5)	b4	Removal of Pipes other than Pipe Culverts	300 mm dia.	Concrete		Linear Meter
801 (5)	b5	Removal of Pipes other than Pipe Culverts	350 mm dia.	Concrete		Linear Meter
801 (5)	c1	Removal of Pipes other than Pipe Culverts	50 mm dia.	High Density Polyethylene HDPE		Linear Meter
801 (5)	c2	Removal of Pipes other than Pipe Culverts	75 mm dia.	High Density Polyethylene HDPE		Linear Meter
801 (5)	c3	Removal of Pipes other than Pipe Culverts	100 mm dia.	High Density Polyethylene HDPE		Linear Meter
801 (5)	c4	Removal of Pipes other than Pipe Culverts	150 mm dia.	High Density Polyethylene HDPE		Linear Meter
801 (5)	c5	Removal of Pipes other than Pipe Culverts	200 mm dia.	High Density Polyethylene HDPE		Linear Meter
801 (5)	c6	Removal of Pipes other than Pipe Culverts	250 mm dia.	High Density Polyethylene HDPE		Linear Meter

801 (5)	c7	Removal of Pipes other than Pipe Culverts	300 mm dia.	High Density Polyethylene HDPE		Linear Meter
801 (6)		Removal of Structures and Obstruction			Concrete	Cubic Meter
801 (7)	a	Removal of Structures and Obstruction			Steel	Kilogram
801 (7)	b	Removal of Structures and Obstruction			Steel H-Piles	Kilogram
801 (7)	c	Removal of Structures and Obstruction			RSB	Kilogram
801 (8)		Relocation of Utilities				Lump Sum
801 (9)		Relocation of Structures				Lump Sum
801 (10)		Removal of Structures and Obstruction (Offshore)			Steel	Kilogram
801 (11)		Removal of Structures and Obstruction (Offshore)			Concrete	Cubic Meter

ITEM 802 – EXCAVATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
802 (1)		Unsuitable Excavation				Cubic Meter
802 (2)		Surplus Common Excavation				Cubic Meter
802 (3)	a	Surplus Rock Excavation			Soft	Cubic Meter
802 (3)	b	Surplus Rock Excavation			Hard	Cubic Meter
802 (4)		Surplus Unclassified Excavation				Cubic Meter

ITEM 803 – STRUCTURE EXCAVATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
803 (1)	a	Structure Excavation			Common Soil	Cubic Meter
803 (1)	b	Structure Excavation			Soft Rock	Cubic Meter
803 (1)	c	Structure Excavation			Solid Rock	Cubic Meter
803 (2)		Trimming Works				Square Meter
803 (3)		Soil Stabilization				Square Meter

ITEM 804 – EMBANKMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
804 (1)	a	Embankment			From roadway/structure excavation	Cubic Meter
804 (1)	b	Embankment			From borrow	Cubic Meter
804 (2)	a	Selected Borrow for topping			Case 1	Cubic Meter
804 (2)	b	Selected Borrow for topping			Case 2	Cubic Meter

804 (3)		Earth Berm				Cubic Meter
804 (4)		Gravel fill				Cubic Meter

ITEM 805 – DREDGING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
805 (1)		Dredging - soils				Cubic Meter
805 (2)		Dredging - coral material				Cubic Meter

ITEM 806 – RECLAMATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
806 (1)		Reclamation				Cubic Meter

ITEM 807 – SITE DEVELOPMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
807 (1)		Site Development				Lump Sum
807 (2)		Softscape				Lump Sum
807 (3)	a1	Softscape			Trees	Each
807 (3)	a2	Softscape			Shrubs	Each
807 (4)		Softscape			Grass	Square Meter
807 (5)		Hardscape				Lump Sum
807 (6)	a1	Hardscape			fountains	Each
807 (6)	a2	Hardscape			benches	Each
807 (6)	a3	Hardscape			gazebos	Each
807 (7)		Garden Soil				Cubic Meter
807 (8)	a1	Aquatic			Plants	Each
807 (8)	a2	Aquatic			Animals	Each
807 (9)		Paver Blocks				Square Meter
807 (10)		Curbs				Linear Meter
807 (11)		Column Guards				Pieces
807 (12)		Wheel Guards				Pieces
807 (13)		Fence			CHB	Square Meter
807 (14)		Gate				Lump Sum

PART B – PLAIN AND REINFORCED CONCRETE WORK**ITEM 900 – REINFORCED CONCRETE**

Pay Item	Suffix	Description	Valid Values			Unit Of Measure
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(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
900 (1)	a1	Structural Concrete		A	7 days	Cubic Meter
900 (1)	a2	Structural Concrete (Footings and Slab on Fill)		A	7 days	Cubic Meter
900 (1)	a3	Structural Concrete (Footing Tie Beams)		A	7 days	Cubic Meter
900 (1)	a4	Structural Concrete (Columns)		A	7 days	Cubic Meter
900 (1)	a5	Structural Concrete (Suspended Slab)		A	7 days	Cubic Meter
900 (1)	a6	Structural Concrete (Beams/Girders)		A	7 days	Cubic Meter
900 (1)	b1	Structural Concrete		A	14 days	Cubic Meter
900 (1)	b2	Structural Concrete (Footings and Slab on Fill)		A	14 days	Cubic Meter
900 (1)	b3	Structural Concrete (Footing Tie Beams)		A	14 days	Cubic Meter
900 (1)	b4	Structural Concrete (Columns)		A	14 days	Cubic Meter
900 (1)	b5	Structural Concrete (Suspended Slab)		A	14 days	Cubic Meter
900 (1)	b6	Structural Concrete (Beams/Girders)		A	14 days	Cubic Meter
900 (1)	c1	Structural Concrete		A	28 days	Cubic Meter
900 (1)	c2	Structural Concrete (Footings and Slab on Fill)		A	28 days	Cubic Meter
900 (1)	c3	Structural Concrete (Footing Tie Beams)		A	28 days	Cubic Meter
900 (1)	c4	Structural Concrete (Columns)		A	28 days	Cubic Meter
900 (1)	c5	Structural Concrete (Suspended Slab)		A	28 days	Cubic Meter
900 (1)	c6	Structural Concrete (Beams/Girders)		A	28 days	Cubic Meter
900 (2)	a	Structural Concrete		B	7 days	Cubic Meter
900 (2)	b	Structural Concrete		B	14 days	Cubic Meter
900 (2)	c	Structural Concrete		B	28 days	Cubic Meter
900 (3)	a	Structural Concrete		C	7 days	Cubic Meter
900 (3)	b	Structural Concrete		C	14 days	Cubic Meter
900 (3)	c	Structural Concrete		C	28 days	Cubic Meter
900 (4)	a	Structural Concrete		P	7 days	Cubic Meter
900 (4)	b	Structural Concrete		P	14 days	Cubic Meter
900 (4)	c	Structural Concrete		P	28 days	Cubic Meter
900 (5)		Structural Concrete		AA		Cubic Meter
900 (6)		Seal Concrete				Cubic Meter
900 (7)		Reinforced Concrete				Cubic Meter

ITEM 901 – PLAIN/LEAN CONCRETE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
901 (1)		Lean Concrete				Cubic Meter

ITEM 902 - REINFORCING STEEL

Pay Item	Suffix	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
902 (1)	a1	Reinforcing Steel (Deformed)			Grade 40	Kilogram
902 (1)	a2	Reinforcing Steel (Deformed)			Grade 60	Kilogram
902 (1)	b	Reinforcing Steel (Plain/Round)				Kilogram

ITEM 903 – FORMWORKS AND FALSEWORKS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
903 (1)		Formworks and Falseworks				Lump Sum
903 (2)		Formworks and Falseworks				Square Meter

DIVISION II – BUILDINGS**PART C – FINISHINGS AND OTHER CIVIL WORKS****ITEM 1000 – TERMITE CONTROL WORK**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1000 (1)		Soil Poisoning				Liter
1000 (2)		Wood Preservative				Liter
1000 (3)		Powder Termicide				Kilogram

ITEM 1001 – STORM DRAINAGE AND SEWERAGE SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Size	Class	Others	
1001 (1)	a1	Pipe	50 mm dia.	PVC	Series 600	Meter
1001 (1)	a2	Pipe	75 mm dia.	PVC	Series 600	Meter
1001 (1)	a3	Pipe	100 mm dia.	PVC	Series 600	Meter
1001 (1)	a4	Pipe	150 mm dia.	PVC	Series 600	Meter
1001 (1)	a5	Pipe	50 mm dia.	PVC	Series 1000	Meter
1001 (1)	a6	Pipe	75 mm dia.	PVC	Series 1000	Meter
1001 (1)	a7	Pipe	100 mm dia.	PVC	Series 1000	Meter
1001 (1)	a8	Pipe	150 mm dia.	PVC	Series 1000	Meter
1001 (1)	a9	Pipe	200 mm dia.	PVC	Series 1000	Meter
1001 (1)	a10	Pipe	250 mm dia.	PVC	Series 1000	Meter
1001 (1)	a11	Pipe	300 mm dia.	PVC	Series 1000	Meter
1001 (1)	b1	Pipe	150 mm dia.	Concrete		Meter
1001 (1)	b2	Pipe	200 mm dia.	Concrete		Meter
1001 (1)	b3	Pipe	250 mm dia.	Concrete		Meter
1001 (1)	b4	Pipe	300 mm dia.	Concrete		Meter
1001 (1)	b5	Pipe	350 mm dia.	Concrete		Meter

1001 (1)	c1	Pipe	50 mm dia.	High Density Polyethylene HDPE		Meter
1001 (1)	c2	Pipe	75 mm dia.	High Density Polyethylene HDPE		Meter
1001 (1)	c3	Pipe	100 mm dia.	High Density Polyethylene HDPE		Meter
1001 (1)	c4	Pipe	150 mm dia.	High Density Polyethylene HDPE		Meter
1001 (1)	c5	Pipe	200 mm dia.	High Density Polyethylene HDPE		Meter
1001 (1)	c6	Pipe	250 mm dia.	High Density Polyethylene HDPE		Meter
1001 (1)	c7	Pipe	300 mm dia.	High Density Polyethylene HDPE		Meter
1001 (2)	a1	Fittings	50 mm dia.	PVC	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	a2	Fittings	75 mm dia.	PVC	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	a3	Fittings	100 mm dia.	PVC	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	a4	Fittings	150 mm dia.	PVC	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	a5	Fittings	200 mm dia.	PVC	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	a6	Fittings	250 mm dia.	PVC	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	a7	Fittings	300 mm dia.	PVC	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	b1	Fittings	50 mm dia.	PVC	(Elbow, 1/4 Bend (90 deg.))	Each
1001 (2)	b2	Fittings	75 mm dia.	PVC	(Elbow, 1/4 Bend (90 deg.))	Each
1001 (2)	b3	Fittings	100 mm dia.	PVC	(Elbow, 1/4 Bend (90 deg.))	Each

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1001 (2)	b4	Fittings	150 mm dia.	PVC	(Elbow, 1/4 Bend (90 deg.))	Each
1001 (2)	b5	Fittings	200 mm dia.	PVC	(Elbow, 1/4 Bend (90 deg.))	Each
1001 (2)	b6	Fittings	250 mm dia.	PVC	(Elbow, 1/4 Bend (90 deg.))	Each
1001 (2)	b7	Fittings	300 mm dia.	PVC	(Elbow, 1/4 Bend (90 deg.))	Each
1001 (2)	c1	Fittings	50 mm dia.	PVC	Clean Out with Plug	Each
1001 (2)	c2	Fittings	75 mm dia.	PVC	Clean Out with Plug	Each
1001 (2)	c3	Fittings	100 mm dia.	PVC	Clean Out with Plug	Each
1001 (2)	c4	Fittings	150 mm dia.	PVC	Clean Out with Plug	Each
1001 (2)	c5	Fittings	200 mm dia.	PVC	Clean Out with Plug	Each
1001 (2)	c6	Fittings	250 mm dia.	PVC	Clean Out with Plug	Each
1001 (2)	c7	Fittings	300 mm dia.	PVC	Clean Out with Plug	Each
1001 (2)	d1	Fittings	50 mm dia.	PVC	Coupling	Each
1001 (2)	d2	Fittings	75 mm dia.	PVC	Coupling	Each
1001 (2)	d3	Fittings	100 mm dia.	PVC	Coupling	Each
1001 (2)	d4	Fittings	150 mm dia.	PVC	Coupling	Each
1001 (2)	d5	Fittings	200 mm dia.	PVC	Coupling	Each
1001 (2)	d6	Fittings	250 mm dia.	PVC	Coupling	Each
1001 (2)	d7	Fittings	300 mm dia.	PVC	Coupling	Each
1001 (2)	e1	Fittings	50 mm dia.	PVC	P-trap	Each
1001 (2)	e2	Fittings	75 mm dia.	PVC	P-trap	Each
1001 (2)	e3	Fittings	100 mm dia.	PVC	P-trap	Each
1001 (2)	f1	Fittings	50 mm dia.	PVC	Sanitary Tee	Each
1001 (2)	f2	Fittings	75 mm dia.	PVC	Sanitary Tee	Each
1001 (2)	f3	Fittings	100 mm dia.	PVC	Sanitary Tee	Each
1001 (2)	f4	Fittings	150 mm dia.	PVC	Sanitary Tee	Each
1001 (2)	f5	Fittings	200 mm dia.	PVC	Sanitary Tee	Each
1001 (2)	f6	Fittings	250 mm dia.	PVC	Sanitary Tee	Each
1001 (2)	f7	Fittings	300 mm dia.	PVC	Sanitary Tee	Each
1001 (2)	g1	Fittings	50 mm dia.	PVC	Sanitary Wye	Each
1001 (2)	g2	Fittings	75 mm dia.	PVC	Sanitary Wye	Each
1001 (2)	g3	Fittings	100 mm dia.	PVC	Sanitary Wye	Each
1001 (2)	g4	Fittings	150 mm dia.	PVC	Sanitary Wye	Each
1001 (2)	g5	Fittings	200 mm dia.	PVC	Sanitary Wye	Each
1001 (2)	g6	Fittings	250 mm dia.	PVC	Sanitary Wye	Each
1001 (2)	g7	Fittings	300 mm dia.	PVC	Sanitary Wye	Each

1001 (2)	h1	Fittings	50mm dia. x 32mm dia.	PVC	Sanitary Tap Tee	Each
1001 (2)	h2	Fittings	50mm dia. x 40mm dia.	PVC	Sanitary Tap Tee	Each
1001 (2)	i1	Fittings	75mm dia. x 50mm dia.	PVC	Reducer-Bushing	Each
1001 (2)	i2	Fittings	100mm dia. x 50mm dia.	PVC	Reducer-Bushing	Each
1001 (2)	i3	Fittings	100mm dia. x 75mm dia.	PVC	Reducer-Bushing	Each
1001 (2)	i4	Fittings	150mm dia. x 100mm dia.	PVC	Reducer-Bushing	Each
1001 (2)	i5	Fittings	200mm dia. x 100mm dia.	PVC	Reducer-Bushing	Each
1001 (2)	i6	Fittings	200mm dia. x 150mm dia.	PVC	Reducer-Bushing	Each
1001 (2)	j1	Fittings	75mm dia. x 50mm dia.	PVC	Reducer-Coupling	Each
1001 (2)	j2	Fittings	100mm dia. x 50mm dia.	PVC	Reducer-Coupling	Each
1001 (2)	j3	Fittings	100mm dia. x 75mm dia.	PVC	Reducer-Coupling	Each
1001 (2)	j4	Fittings	150mm dia. x 100mm dia.	PVC	Reducer-Coupling	Each
1001 (2)	j5	Fittings	200mm dia. x 100mm dia.	PVC	Reducer-Coupling	Each
1001 (2)	j6	Fittings	200mm dia. x 150mm dia.	PVC	Reducer-Coupling	Each
1001 (2)	k1	Fittings	75mm dia. x 50mm dia.	PVC	Reducer - Sanitary Tee	Each
1001 (2)	k2	Fittings	100mm dia. x 50mm dia.	PVC	Reducer - Sanitary Tee	Each
1001 (2)	k3	Fittings	100mm dia. x 75mm dia.	PVC	Reducer - Sanitary Tee	Each
1001 (2)	k4	Fittings	150mm dia. x 100mm dia.	PVC	Reducer - Sanitary Tee	Each
1001 (2)	k5	Fittings	200mm dia. x 100mm dia.	PVC	Reducer - Sanitary Tee	Each
1001 (2)	k6	Fittings	200mm dia. x 150mm dia.	PVC	Reducer - Sanitary Tee	Each

1001 (2)	l1	Fittings	75mm dia. x 50mm dia.	PVC	Reducer - Sanitary Wye	Each
1001 (2)	l2	Fittings	100mm dia. x 50mm dia.	PVC	Reducer - Sanitary Wye	Each
1001 (2)	l3	Fittings	100mm dia. x 75mm dia.	PVC	Reducer - Sanitary Wye	Each
1001 (2)	l4	Fittings	150mm dia. x 100mm dia.	PVC	Reducer - Sanitary Wye	Each
1001 (2)	l5	Fittings	200mm dia. x 100mm dia.	PVC	Reducer - Sanitary Wye	Each
1001 (2)	l6	Fittings	200mm dia. x 150mm dia.	PVC	Reducer - Sanitary Wye	Each
1001 (2)	m1	Fittings	50 mm dia.	HDPE	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	m2	Fittings	75 mm dia.	HDPE	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	m3	Fittings	100 mm dia.	HDPE	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	m4	Fittings	150 mm dia.	HDPE	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	m5	Fittings	200 mm dia.	HDPE	(Elbow, 1/8 Bend (45 deg.))	Each
1001 (2)	m6	Fittings	50 mm dia.	HDPE	(Elbow, 1/8 Bend (90 deg.))	Each
1001 (2)	m7	Fittings	75 mm dia.	HDPE	(Elbow, 1/8 Bend (90 deg.))	Each
1001 (2)	m8	Fittings	100 mm dia.	HDPE	(Elbow, 1/8 Bend (90 deg.))	Each
1001 (2)	m9	Fittings	150 mm dia.	HDPE	(Elbow, 1/8 Bend (90 deg.))	Each
1001 (2)	n1	Fittings	50 mm dia.	HDPE	Clean Out Plug with Adaptor	Each
1001 (2)	n2	Fittings	75 mm dia.	HDPE	Clean Out Plug with Adaptor	Each
1001 (2)	n3	Fittings	100 mm dia.	HDPE	Clean Out Plug with Adaptor	Each
1001 (2)	o1	Fittings	50 mm dia.	HDPE	Coupling	Each
1001 (2)	o2	Fittings	75 mm dia.	HDPE	Coupling	Each
1001 (2)	o3	Fittings	100 mm dia.	HDPE	Coupling	Each
1001 (2)	o4	Fittings	150 mm dia.	HDPE	Coupling	Each
1001 (2)	o5	Fittings	200 mm dia.	HDPE	Coupling	Each

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1001 (2)	o6	Fittings	250 mm dia.	HDPE	Coupling	Each
1001 (2)	o7	Fittings	300 mm dia.	HDPE	Coupling	Each
1001 (2)	p	Fittings	50 mm dia.	HDPE	P-trap	Each
1001 (2)	q1	Fittings	50 mm dia.	HDPE	Straight - Sanitary Tee	Each
1001 (2)	q2	Fittings	75 mm dia.	HDPE	Straight - Sanitary Tee	Each
1001 (2)	q3	Fittings	100 mm dia.	HDPE	Straight - Sanitary Tee	Each
1001 (2)	q4	Fittings	150 mm dia.	HDPE	Straight - Sanitary Tee	Each
1001 (2)	q5	Fittings	200 mm dia.	HDPE	Straight - Sanitary Tee	Each
1001 (2)	r1	Fittings	75 mm x 50mm	HDPE	Reducer - Sanitary Tee	Each
1001 (2)	r2	Fittings	100mm x 50mm	HDPE	Reducer - Sanitary Tee	Each
1001 (2)	r3	Fittings	100mm x 75mm	HDPE	Reducer - Sanitary Tee	Each
1001 (2)	r4	Fittings	150mm x 75 mm	HDPE	Reducer - Sanitary Tee	Each
1001 (2)	r5	Fittings	150mm x 100mm	HDPE	Reducer - Sanitary Tee	Each
1001 (2)	r6	Fittings	200mm x 100mm	HDPE	Reducer - Sanitary Tee	Each
1001 (2)	s1	Fittings	50 mm dia.	HDPE	Straight - Sanitary Wye 45 deg.	Each
1001 (2)	s2	Fittings	75 mm dia.	HDPE	Straight - Sanitary Wye 45 deg.	Each
1001 (2)	s3	Fittings	100 mm dia.	HDPE	Straight - Sanitary Wye 45 deg.	Each
1001 (2)	s4	Fittings	150 mm dia.	HDPE	Straight - Sanitary Wye 45 deg.	Each
1001 (2)	s5	Fittings	200 mm dia.	HDPE	Straight - Sanitary Wye 45 deg.	Each
1001 (2)	s6	Fittings	250 mm dia.	HDPE	Straight - Sanitary Wye 45 deg.	Each
1001 (2)	s7	Fittings	300 mm dia.	HDPE	Straight - Sanitary Wye 45 deg.	Each

1001 (2)	t1	Fittings	75mm dia. x 50mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t2	Fittings	100mm dia. x 50mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t3	Fittings	100mm dia. x 75mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t4	Fittings	150mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t5	Fittings	150mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t6	Fittings	200mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t7	Fittings	200mm dia. x 150mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t8	Fittings	250mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t9	Fittings	250mm dia. x 150mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t10	Fittings	250mm dia. x 200mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t11	Fittings	300mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t12	Fittings	300mm dia. x 150mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t13	Fittings	300mm dia. x 200mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	t14	Fittings	300mm dia. x 250mm dia.	HDPE	Reducer - Sanitary Wye 45 deg.	Each
1001 (2)	u1	Fittings	50 mm dia.	HDPE	Straight - Sanitary Wye 90 deg.	Each
1001 (2)	u2	Fittings	75 mm dia.	HDPE	Straight - Sanitary Wye 90 deg.	Each
1001 (2)	u3	Fittings	100 mm dia.	HDPE	Straight - Sanitary Wye 90 deg.	Each
1001 (2)	u4	Fittings	150 mm dia.	HDPE	Straight - Sanitary Wye 90 deg.	Each
1001 (2)	u5	Fittings	200 mm dia.	HDPE	Straight - Sanitary Wye 90 deg.	Each
1001 (2)	u6	Fittings	250 mm dia.	HDPE	Straight - Sanitary Wye 90 deg.	Each

1001 (2)	u7	Fittings	300 mm dia.	HDPE	Straight - Sanitary Wye 90 deg.	Each
1001 (2)	v1	Fittings	75mm dia. x 50mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v2	Fittings	100mm dia. x 50mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v3	Fittings	100mm dia. x 75mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v4	Fittings	150mm dia. x 75mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v5	Fittings	150mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v6	Fittings	200mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v7	Fittings	200mm dia. x 150mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v8	Fittings	250mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v9	Fittings	250mm dia. x 150mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v10	Fittings	250mm dia. x 200mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v11	Fittings	300mm dia. x 100mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v12	Fittings	300mm dia. x 150mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v13	Fittings	300mm dia. x 200mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	v14	Fittings	300mm dia. x 250mm dia.	HDPE	Reducer - Sanitary Wye 90 deg.	Each
1001 (2)	w1	Fittings	75mm dia. x 50mm dia.	HDPE	Reducer - Bushing	Each
1001 (2)	w2	Fittings	100mm dia. x 50mm dia.	HDPE	Reducer - Bushing	Each
1001 (2)	w3	Fittings	100mm dia. x 75mm dia.	HDPE	Reducer - Bushing	Each
1001 (2)	w4	Fittings	150mm dia. x 100mm dia.	HDPE	Reducer - Bushing	Each
1001 (2)	w5	Fittings	200mm dia. x 100mm dia.	HDPE	Reducer - Bushing	Each

1001 (2)	w6	Fittings	200mm dia. x 150mm dia.	HDPE	Reducer - Bushing	Each
1001 (2)	w7	Fittings	250mm dia. x 200mm dia.	HDPE	Reducer - Bushing	Each
1001 (2)	w8	Fittings	300mm dia. x 200mm dia.	HDPE	Reducer - Bushing	Each
1001 (2)	w9	Fittings	300mm dia. x 250mm dia.	HDPE	Reducer - Bushing	Each
1001 (3)		Concrete Gutter				Meter
1001 (4)		Concrete Canal				Meter
1001 (5)		Wrought Iron Grating				Square Meter
1001 (6)	a	Catch Basin		Concrete		Each
1001 (6)	b	Catch Basin		CHB		Each
1001 (7)	a	Junction Box		Concrete		Each
1001 (7)	b	Junction Box		CHB		Each
1001 (8)		Sewer Line Works				Lump Sum
1001 (9)		Storm Drainage and Downspout				Lump Sum

ITEM 1002 – PLUMBING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1002 (1)	a1	Cast Iron Soil Pipe	50 mm dia.			Piece
1002 (1)	a2	Cast Iron Soil Pipe	75 mm dia.			Piece
1002 (1)	a3	Cast Iron Soil Pipe	100 mm dia.			Piece
1002 (1)	a4	Cast Iron Soil Pipe	150 mm dia.			Piece
1002 (2)	a1	Fittings - Cast Iron	50 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (2)	a2	Fittings - Cast Iron	75 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (2)	a3	Fittings - Cast Iron	100 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (2)	a4	Fittings - Cast Iron	150 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (2)	b1	Fittings - Cast Iron	50 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (2)	b2	Fittings - Cast Iron	75 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (2)	b3	Fittings - Cast Iron	100 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece

1002 (2)	b4	Fittings - Cast Iron	150 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (2)	c1	Fittings - Cast Iron	50 mm dia.	Long Sweep	(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (2)	c2	Fittings - Cast Iron	75 mm dia.	Long Sweep	(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (2)	c3	Fittings - Cast Iron	100 mm dia.	Long Sweep	(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (2)	c4	Fittings - Cast Iron	150 mm dia.	Long Sweep	(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (2)	d1	Fittings - Cast Iron	50 mm dia.		Plugs	Piece
1002 (2)	d2	Fittings - Cast Iron	75 mm dia.		Plugs	Piece
1002 (2)	d3	Fittings - Cast Iron	100 mm dia.		Plugs	Piece
1002 (2)	d4	Fittings - Cast Iron	150 mm dia.		Plugs	Piece
1002 (2)	e1	Fittings - Cast Iron	50 mm dia.		P-Trap	Piece
1002 (2)	e2	Fittings - Cast Iron	75 mm dia.		P-Trap	Piece
1002 (2)	e3	Fittings - Cast Iron	100 mm dia.		P-Trap	Piece
1002 (2)	e4	Fittings - Cast Iron	150 mm dia.		P-Trap	Piece
1002 (2)	f1	Fittings - Cast Iron	50 mm dia.		Sanitary Tee	Piece
1002 (2)	f2	Fittings - Cast Iron	75 mm dia.		Sanitary Tee	Piece
1002 (2)	f3	Fittings - Cast Iron	100 mm dia.		Sanitary Tee	Piece
1002 (2)	f4	Fittings - Cast Iron	150 mm dia.		Sanitary Tee	Piece
1002 (2)	g	Fittings - Cast Iron	50mm dia. x 40mm dia.		Sanitary Tap Tee	Piece
1002 (2)	h1	Fittings - Cast Iron	50 mm dia.		Straight - Sanitary Wye (45 deg.)	Piece
1002 (2)	h2	Fittings - Cast Iron	75 mm dia.		Straight - Sanitary Wye (45 deg.)	Piece
1002 (2)	h3	Fittings - Cast Iron	100 mm dia.		Straight - Sanitary Wye (45 deg.)	Piece
1002 (2)	h4	Fittings - Cast Iron	150 mm dia.		Straight - Sanitary Wye (45 deg.)	Piece
1002 (2)	i1	Fittings - Cast Iron	75mm dia. x 50mm dia.		Reducer - Sanitary Wye (45 deg.)	Piece
1002 (2)	i2	Fittings - Cast Iron	100mm dia. x 50mm dia.		Reducer - Sanitary Wye (45 deg.)	Piece
1002 (2)	i3	Fittings - Cast Iron	100mm dia. x 75mm dia.		Reducer - Sanitary Wye (45 deg.)	Piece
1002 (2)	i4	Fittings - Cast Iron	150mm dia. x 100mm dia.		Reducer - Sanitary Wye (45 deg.)	Piece

1002 (2)	j1	Fittings - Cast Iron	50 mm dia.		Straight - Sanitary Wye (90 deg.)	Piece
1002 (2)	j2	Fittings - Cast Iron	75 mm dia.		Straight - Sanitary Wye (90 deg.)	Piece
1002 (2)	j3	Fittings - Cast Iron	100 mm dia.		Straight - Sanitary Wye (90 deg.)	Piece
1002 (2)	j4	Fittings - Cast Iron	150 mm dia.		Straight - Sanitary Wye (90 deg.)	Piece
1002 (2)	k1	Fittings - Cast Iron	75mm dia. x 50mm dia.		Reducer - Sanitary Wye (90 deg.)	Piece
1002 (2)	k2	Fittings - Cast Iron	100mm dia. x 50mm dia.		Reducer - Sanitary Wye (90 deg.)	Piece
1002 (2)	k3	Fittings - Cast Iron	100mm dia. x 75mm dia.		Reducer - Sanitary Wye (90 deg.)	Piece
1002 (2)	k4	Fittings - Cast Iron	150mm dia. x 100mm dia.		Reducer - Sanitary Wye (90 deg.)	Piece
1002 (3)	a1	Galvanized Iron Pipes	13 mm dia.			Piece
1002 (3)	a2	Galvanized Iron Pipes	25 mm dia.			Piece
1002 (3)	a3	Galvanized Iron Pipes	32 mm dia.			Piece
1002 (3)	a4	Galvanized Iron Pipes	40 mm dia.			Piece
1002 (3)	a5	Galvanized Iron Pipes	50 mm dia.			Piece
1002 (3)	a6	Galvanized Iron Pipes	65 mm dia.			Piece
1002 (3)	a7	Galvanized Iron Pipes	75 mm dia.			Piece
1002 (3)	a8	Galvanized Iron Pipes	100 mm dia.			Piece
1002 (3)	a9	Galvanized Iron Pipes	150 mm dia.			Piece
1002 (4)	a1	Fittings - Galvanized Iron	13 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	a2	Fittings - Galvanized Iron	20 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	a3	Fittings - Galvanized Iron	25 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	a4	Fittings - Galvanized Iron	32 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	a5	Fittings - Galvanized Iron	40 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	a6	Fittings - Galvanized Iron	50 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	a7	Fittings - Galvanized Iron	65 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	a8	Fittings - Galvanized Iron	75 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece

1002 (4)	a9	Fittings - Galvanized Iron	100 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	a10	Fittings - Galvanized Iron	150 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (4)	b1	Fittings - Galvanized Iron	13 mm dia.		Tee (Equal)	Piece
1002 (4)	b2	Fittings - Galvanized Iron	20 mm dia.		Tee (Equal)	Piece
1002 (4)	b3	Fittings - Galvanized Iron	25 mm dia.		Tee (Equal)	Piece
1002 (4)	b4	Fittings - Galvanized Iron	32 mm dia.		Tee (Equal)	Piece
1002 (4)	b5	Fittings - Galvanized Iron	40 mm dia.		Tee (Equal)	Piece
1002 (4)	b6	Fittings - Galvanized Iron	50 mm dia.		Tee (Equal)	Piece
1002 (4)	b7	Fittings - Galvanized Iron	65 mm dia.		Tee (Equal)	Piece
1002 (4)	b8	Fittings - Galvanized Iron	75 mm dia.		Tee (Equal)	Piece
1002 (4)	b9	Fittings - Galvanized Iron	100 mm dia.		Tee (Equal)	Piece
1002 (4)	b10	Fittings - Galvanized Iron	150 mm dia.		Tee (Equal)	Piece
1002 (4)	c1	Fittings - Galvanized Iron	20mm dia. x 13mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c2	Fittings - Galvanized Iron	25mm dia. x 13mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c3	Fittings - Galvanized Iron	25mm dia. x 20mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c4	Fittings - Galvanized Iron	32mm dia. x 13mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c5	Fittings - Galvanized Iron	32mm dia. x 20mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c6	Fittings - Galvanized Iron	32mm dia. x 25mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c7	Fittings - Galvanized Iron	40mm dia. x 13mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c8	Fittings - Galvanized Iron	40mm dia. x 20mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c9	Fittings - Galvanized Iron	40mm dia. x 25mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c10	Fittings - Galvanized Iron	40mm dia. x 32mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c11	Fittings - Galvanized Iron	50mm dia. x 13mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c12	Fittings - Galvanized Iron	50mm dia. x 20mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c13	Fittings - Galvanized Iron	50mm dia. x 25mm dia.		Reducer - Tee (Unequal)	Piece

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1002 (4)	c14	Fittings - Galvanized Iron	50mm dia. x 32mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c15	Fittings - Galvanized Iron	50mm dia. x 40mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c16	Fittings - Galvanized Iron	65mm dia. x 32mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c17	Fittings - Galvanized Iron	65mm dia. x 40mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c18	Fittings - Galvanized Iron	65mm dia. x 50mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c19	Fittings - Galvanized Iron	75mm dia. x 32mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c20	Fittings - Galvanized Iron	75mm dia. x 40mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c21	Fittings - Galvanized Iron	75mm dia. x 50mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c22	Fittings - Galvanized Iron	75mm dia. x 65mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c23	Fittings - Galvanized Iron	100mm dia. x 40mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c24	Fittings - Galvanized Iron	100mm dia. x 50mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c25	Fittings - Galvanized Iron	100mm dia. x 65mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	c26	Fittings - Galvanized Iron	100mm dia. x 75mm dia.		Reducer - Tee (Unequal)	Piece
1002 (4)	d1	Fittings - Galvanized Iron	13 mm dia.		Socket/Coupling	Piece
1002 (4)	d2	Fittings - Galvanized Iron	20 mm dia.		Socket/Coupling	Piece
1002 (4)	d3	Fittings - Galvanized Iron	25 mm dia.		Socket/Coupling	Piece
1002 (4)	d4	Fittings - Galvanized Iron	32 mm dia.		Socket/Coupling	Piece
1002 (4)	d5	Fittings - Galvanized Iron	40 mm dia.		Socket/Coupling	Piece
1002 (4)	d6	Fittings - Galvanized Iron	50 mm dia.		Socket/Coupling	Piece
1002 (4)	d7	Fittings - Galvanized Iron	65 mm dia.		Socket/Coupling	Piece
1002 (4)	d8	Fittings - Galvanized Iron	75 mm dia.		Socket/Coupling	Piece
1002 (4)	d9	Fittings - Galvanized Iron	100 mm dia.		Socket/Coupling	Piece
1002 (4)	d10	Fittings - Galvanized Iron	150 mm dia.		Socket/Coupling	Piece
1002 (4)	e1	Fittings - Galvanized Iron	20mm dia. x 13mm dia.		Reducer - Coupling	Piece
1002 (4)	e2	Fittings - Galvanized Iron	25mm dia. x 13mm dia.		Reducer - Coupling	Piece

1002 (4)	e3	Fittings - Galvanized Iron	25mm dia. x 20mm dia.		Reducer - Coupling	Piece
1002 (4)	e4	Fittings - Galvanized Iron	32mm dia. x 13mm dia.		Reducer - Coupling	Piece
1002 (4)	e5	Fittings - Galvanized Iron	32mm dia. x 20mm dia.		Reducer - Coupling	Piece
1002 (4)	e6	Fittings - Galvanized Iron	32mm dia. x 25mm dia.		Reducer - Coupling	Piece
1002 (4)	e7	Fittings - Galvanized Iron	40mm dia. x 13mm dia.		Reducer - Coupling	Piece
1002 (4)	e8	Fittings - Galvanized Iron	40mm dia. x 20mm dia.		Reducer - Coupling	Piece
1002 (4)	e9	Fittings - Galvanized Iron	40mm dia. x 25mm dia.		Reducer - Coupling	Piece
1002 (4)	e10	Fittings - Galvanized Iron	40mm dia. x 32mm dia.		Reducer - Coupling	Piece
1002 (4)	e11	Fittings - Galvanized Iron	50mm dia. x 13mm dia.		Reducer - Coupling	Piece
1002 (4)	e12	Fittings - Galvanized Iron	50mm dia. x 20mm dia.		Reducer - Coupling	Piece
1002 (4)	e13	Fittings - Galvanized Iron	50mm dia. x 25mm dia.		Reducer - Coupling	Piece
1002 (4)	e14	Fittings - Galvanized Iron	50mm dia. x 32mm dia.		Reducer - Coupling	Piece
1002 (4)	e15	Fittings - Galvanized Iron	50mm dia. x 40mm dia.		Reducer - Coupling	Piece
1002 (4)	e16	Fittings - Galvanized Iron	65mm dia. x 32mm dia.		Reducer - Coupling	Piece
1002 (4)	e17	Fittings - Galvanized Iron	65mm dia. x 40mm dia.		Reducer - Coupling	Piece
1002 (4)	e18	Fittings - Galvanized Iron	65mm dia. x 50mm dia.		Reducer - Coupling	Piece
1002 (4)	e19	Fittings - Galvanized Iron	75mm dia. x 32mm dia.		Reducer - Coupling	Piece
1002 (4)	e20	Fittings - Galvanized Iron	75mm dia. x 40mm dia.		Reducer - Coupling	Piece
1002 (4)	e21	Fittings - Galvanized Iron	75mm dia. x 50mm dia.		Reducer - Coupling	Piece
1002 (4)	e22	Fittings - Galvanized Iron	75mm dia. x 65mm dia.		Reducer - Coupling	Piece

1002 (4)	e23	Fittings - Galvanized Iron	100mm dia. x 40mm dia.		Reducer - Coupling	Piece
1002 (4)	e24	Fittings - Galvanized Iron	100mm dia. x 50mm dia.		Reducer - Coupling	Piece
1002 (4)	e25	Fittings - Galvanized Iron	100mm dia. x 65mm dia.		Reducer - Coupling	Piece
1002 (4)	e26	Fittings - Galvanized Iron	100mm dia. x 75mm dia.		Reducer - Coupling	Piece
1002 (4)	f1	Fittings - Galvanized Iron	13 mm dia.		Union Patente	Piece
1002 (4)	f2	Fittings - Galvanized Iron	20 mm dia.		Union Patente	Piece
1002 (4)	f3	Fittings - Galvanized Iron	25 mm dia.		Union Patente	Piece
1002 (4)	g1	Fittings - Galvanized Iron	100 mm dia.		Flanges	Piece
1002 (4)	g2	Fittings - Galvanized Iron	150 mm dia.		Flanges	Piece
1002 (4)	g3	Fittings - Galvanized Iron	200 mm dia.		Flanges	Piece
1002 (4)	g4	Fittings - Galvanized Iron	250 mm dia.		Flanges	Piece
1002 (4)	g5	Fittings - Galvanized Iron	300 mm dia.		Flanges	Piece
1002 (5)	a1	Polypropylene Random Copolymer (PPR-C) Pipes	13 mm dia.		PN 10	Piece
1002 (5)	a2	Polypropylene Random Copolymer (PPR-C) Pipes	13 mm dia.		PN 16	Piece
1002 (5)	a3	Polypropylene Random Copolymer (PPR-C) Pipes	13 mm dia.		PN 20	Piece
1002 (5)	b1	Polypropylene Random Copolymer (PPR-C) Pipes	20 mm dia.		PN 10	Piece
1002 (5)	b2	Polypropylene Random Copolymer (PPR-C) Pipes	20 mm dia.		PN 16	Piece
1002 (5)	b3	Polypropylene Random Copolymer (PPR-C) Pipes	20 mm dia.		PN 20	Piece
1002 (5)	c1	Polypropylene Random Copolymer (PPR-C) Pipes	25 mm dia.		PN 10	Piece
1002 (5)	c2	Polypropylene Random Copolymer (PPR-C) Pipes	25 mm dia.		PN 16	Piece
1002 (5)	c3	Polypropylene Random Copolymer (PPR-C) Pipes	25 mm dia.		PN 20	Piece
1002 (5)	d1	Polypropylene Random Copolymer (PPR-C) Pipes	32 mm dia.		PN 10	Piece
1002 (5)	d2	Polypropylene Random Copolymer (PPR-C) Pipes	32 mm dia.		PN 16	Piece
1002 (5)	d3	Polypropylene Random Copolymer (PPR-C) Pipes	32 mm dia.		PN 20	Piece

1002 (5)	e1	Polypropylene Random Copolymer (PPR-C) Pipes	40 mm dia.		PN 10	Piece
1002 (5)	e2	Polypropylene Random Copolymer (PPR-C) Pipes	40 mm dia.		PN 16	Piece
1002 (5)	e3	Polypropylene Random Copolymer (PPR-C) Pipes	40 mm dia.		PN 20	Piece
1002 (5)	f1	Polypropylene Random Copolymer (PPR-C) Pipes	50 mm dia.		PN 10	Piece
1002 (5)	f2	Polypropylene Random Copolymer (PPR-C) Pipes	50 mm dia.		PN 16	Piece
1002 (5)	f3	Polypropylene Random Copolymer (PPR-C) Pipes	50 mm dia.		PN 20	Piece
1002 (5)	g1	Polypropylene Random Copolymer (PPR-C) Pipes	63 mm dia.		PN 10	Piece
1002 (5)	g2	Polypropylene Random Copolymer (PPR-C) Pipes	63 mm dia.		PN 16	Piece
1002 (5)	g3	Polypropylene Random Copolymer (PPR-C) Pipes	63 mm dia.		PN 20	Piece
1002 (5)	h1	Polypropylene Random Copolymer (PPR-C) Pipes	75 mm dia.		PN 10	Piece
1002 (5)	h2	Polypropylene Random Copolymer (PPR-C) Pipes	75 mm dia.		PN 16	Piece
1002 (5)	h3	Polypropylene Random Copolymer (PPR-C) Pipes	75 mm dia.		PN 20	Piece
1002 (5)	i1	Polypropylene Random Copolymer (PPR-C) Pipes	100 mm dia.		PN 10	Piece
1002 (5)	i2	Polypropylene Random Copolymer (PPR-C) Pipes	100 mm dia.		PN 16	Piece
1002 (5)	i3	Polypropylene Random Copolymer (PPR-C) Pipes	100 mm dia.		PN 20	Piece
1002 (6)	a1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (6)	a2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (6)	a3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (6)	a4	Fittings - Polypropylene Random Copolymer (PPR-C)	32 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (6)	a5	Fittings - Polypropylene Random Copolymer (PPR-C)	40 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece

1002 (6)	a6	Fittings - Polypropylene Random Copolymer (PPR-C)	50 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (6)	a7	Fittings - Polypropylene Random Copolymer (PPR-C)	65 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (6)	a8	Fittings - Polypropylene Random Copolymer (PPR-C)	75 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (6)	a9	Fittings - Polypropylene Random Copolymer (PPR-C)	100 mm dia.		(Elbow, 1/8 Bend (45 deg.))	Piece
1002 (6)	b1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	b2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	b3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	b4	Fittings - Polypropylene Random Copolymer (PPR-C)	32 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	b5	Fittings - Polypropylene Random Copolymer (PPR-C)	40 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	b6	Fittings - Polypropylene Random Copolymer (PPR-C)	50 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	b7	Fittings - Polypropylene Random Copolymer (PPR-C)	65 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	b8	Fittings - Polypropylene Random Copolymer (PPR-C)	75 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	b9	Fittings - Polypropylene Random Copolymer (PPR-C)	100 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (6)	c1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm dia.		Tee (Equal)	Piece
1002 (6)	c2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm dia.		Tee (Equal)	Piece
1002 (6)	c3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm dia.		Tee (Equal)	Piece
1002 (6)	c4	Fittings - Polypropylene Random Copolymer (PPR-C)	32 mm dia.		Tee (Equal)	Piece
1002 (6)	c5	Fittings - Polypropylene Random Copolymer (PPR-C)	40 mm dia.		Tee (Equal)	Piece
1002 (6)	c6	Fittings - Polypropylene Random Copolymer (PPR-C)	50 mm dia.		Tee (Equal)	Piece
1002 (6)	c7	Fittings - Polypropylene Random Copolymer (PPR-C)	65 mm dia.		Tee (Equal)	Piece

1002 (6)	c8	Fittings - Polypropylene Random Copolymer (PPR-C)	75 mm dia.		Tee (Equal)	Piece
1002 (6)	c9	Fittings - Polypropylene Random Copolymer (PPR-C)	100 mm dia.		Tee (Equal)	Piece
1002 (6)	d1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm x 13 mm dia.		Female Threaded Tee	Piece
1002 (6)	d2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm x 20 mm dia.		Female Threaded Tee	Piece
1002 (6)	d3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm x 25 mm dia.		Female Threaded Tee	Piece
1002 (6)	e1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm x 13 mm dia.		Female Elbow	Piece
1002 (6)	e2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm x 20 mm dia.		Female Elbow	Piece
1002 (6)	e3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm x 25 mm dia.		Female Elbow	Piece
1002 (6)	f1	Fittings - Polypropylene Random Copolymer (PPR-C)	20mm dia. x 13mm dia.		Tee (Unequal)	Piece
1002 (6)	f2	Fittings - Polypropylene Random Copolymer (PPR-C)	25mm dia. x 13mm dia.		Tee (Unequal)	Piece
1002 (6)	f3	Fittings - Polypropylene Random Copolymer (PPR-C)	25mm dia. x 20mm dia.		Tee (Unequal)	Piece
1002 (6)	f4	Fittings - Polypropylene Random Copolymer (PPR-C)	32mm dia. x 13mm dia.		Tee (Unequal)	Piece
1002 (6)	f5	Fittings - Polypropylene Random Copolymer (PPR-C)	32mm dia. x 20mm dia.		Tee (Unequal)	Piece
1002 (6)	f6	Fittings - Polypropylene Random Copolymer (PPR-C)	32mm dia. x 25mm dia.		Tee (Unequal)	Piece
1002 (6)	f7	Fittings - Polypropylene Random Copolymer (PPR-C)	40mm dia. x 13mm dia.		Tee (Unequal)	Piece
1002 (6)	f8	Fittings - Polypropylene Random Copolymer (PPR-C)	40mm dia. x 20mm dia.		Tee (Unequal)	Piece
1002 (6)	f9	Fittings - Polypropylene Random Copolymer (PPR-C)	40mm dia. x 25mm dia.		Tee (Unequal)	Piece
1002 (6)	f10	Fittings - Polypropylene Random Copolymer (PPR-C)	40mm dia. x 32mm dia.		Tee (Unequal)	Piece
1002 (6)	f11	Fittings - Polypropylene Random Copolymer (PPR-C)	50mm dia. x 13mm dia.		Tee (Unequal)	Piece
1002 (6)	f12	Fittings - Polypropylene Random Copolymer (PPR-C)	50mm dia. x 20mm dia.		Tee (Unequal)	Piece

1002 (6)	f13	Fittings - Polypropylene Random Copolymer (PPR-C)	50mm dia. x 25mm dia.		Tee (Unequal)	Piece
1002 (6)	f14	Fittings - Polypropylene Random Copolymer (PPR-C)	50mm dia. x 32mm dia.		Tee (Unequal)	Piece
1002 (6)	f15	Fittings - Polypropylene Random Copolymer (PPR-C)	50mm dia. x 40mm dia.		Tee (Unequal)	Piece
1002 (6)	f16	Fittings - Polypropylene Random Copolymer (PPR-C)	65mm dia. x 32mm dia.		Tee (Unequal)	Piece
1002 (6)	f17	Fittings - Polypropylene Random Copolymer (PPR-C)	65mm dia. x 40mm dia.		Tee (Unequal)	Piece
1002 (6)	f18	Fittings - Polypropylene Random Copolymer (PPR-C)	65mm dia. x 50mm dia.		Tee (Unequal)	Piece
1002 (6)	f19	Fittings - Polypropylene Random Copolymer (PPR-C)	75mm dia. x 32mm dia.		Tee (Unequal)	Piece
1002 (6)	f20	Fittings - Polypropylene Random Copolymer (PPR-C)	75mm dia. x 40mm dia.		Tee (Unequal)	Piece
1002 (6)	f21	Fittings - Polypropylene Random Copolymer (PPR-C)	75mm dia. x 50mm dia.		Tee (Unequal)	Piece
1002 (6)	f22	Fittings - Polypropylene Random Copolymer (PPR-C)	75mm dia. x 65mm dia.		Tee (Unequal)	Piece
1002 (6)	f23	Fittings - Polypropylene Random Copolymer (PPR-C)	100mm dia. x 40mm dia.		Tee (Unequal)	Piece
1002 (6)	f24	Fittings - Polypropylene Random Copolymer (PPR-C)	100mm dia. x 50mm dia.		Tee (Unequal)	Piece
1002 (6)	f25	Fittings - Polypropylene Random Copolymer (PPR-C)	100mm dia. x 65mm dia.		Tee (Unequal)	Piece
1002 (6)	f26	Fittings - Polypropylene Random Copolymer (PPR-C)	100mm dia. x 75mm dia.		Tee (Unequal)	Piece
1002 (6)	f27	Fittings - Polypropylene Random Copolymer (PPR-C)	110 mm x 50 mm x 110 mm dia.		Tee (Unequal)	Piece
1002 (6)	f28	Fittings - Polypropylene Random Copolymer (PPR-C)	110 mm x 63 mm x 110 mm dia.		Tee (Unequal)	Piece
1002 (6)	f29	Fittings - Polypropylene Random Copolymer (PPR-C)	110 mm x 75 mm x 110 mm dia.		Tee (Unequal)	Piece
1002 (6)	f30	Fittings - Polypropylene Random Copolymer (PPR-C)	110 mm x 90 mm x 110 mm dia.		Tee (Unequal)	Piece
1002 (6)	g1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm dia.		Female Threaded Adaptor	Piece
1002 (6)	g2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm dia.		Female Threaded Adaptor	Piece

1002 (6)	g3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm dia.		Female Threaded Adaptor	Piece
1002 (6)	g4	Fittings - Polypropylene Random Copolymer (PPR-C)	32 mm dia.		Female Threaded Adaptor	Piece
1002 (6)	g5	Fittings - Polypropylene Random Copolymer (PPR-C)	40 mm dia.		Female Threaded Adaptor	Piece
1002 (6)	g6	Fittings - Polypropylene Random Copolymer (PPR-C)	50 mm dia.		Female Threaded Adaptor	Piece
1002 (6)	g7	Fittings - Polypropylene Random Copolymer (PPR-C)	65 mm dia.		Female Threaded Adaptor	Piece
1002 (6)	g8	Fittings - Polypropylene Random Copolymer (PPR-C)	75 mm dia.		Female Threaded Adaptor	Piece
1002 (6)	g9	Fittings - Polypropylene Random Copolymer (PPR-C)	100 mm dia.		Female Threaded Adaptor	Piece
1002 (6)	h1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	h2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	h3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	h4	Fittings - Polypropylene Random Copolymer (PPR-C)	32 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	h5	Fittings - Polypropylene Random Copolymer (PPR-C)	40 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	h6	Fittings - Polypropylene Random Copolymer (PPR-C)	50 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	h7	Fittings - Polypropylene Random Copolymer (PPR-C)	65 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	h8	Fittings - Polypropylene Random Copolymer (PPR-C)	75 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	h9	Fittings - Polypropylene Random Copolymer (PPR-C)	100 mm dia.		Male Threaded Adaptor	Piece
1002 (6)	i1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm dia.		Female Threaded Union	Piece
1002 (6)	i2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm dia.		Female Threaded Union	Piece
1002 (6)	i3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm dia.		Female Threaded Union	Piece
1002 (6)	i4	Fittings - Polypropylene Random Copolymer (PPR-C)	32 mm dia.		Female Threaded Union	Piece

1002 (6)	i5	Fittings - Polypropylene Random Copolymer (PPR-C)	40 mm dia.		Female Threaded Union	Piece
1002 (6)	i6	Fittings - Polypropylene Random Copolymer (PPR-C)	50 mm dia.		Female Threaded Union	Piece
1002 (6)	i7	Fittings - Polypropylene Random Copolymer (PPR-C)	65 mm dia.		Female Threaded Union	Piece
1002 (6)	i8	Fittings - Polypropylene Random Copolymer (PPR-C)	75 mm dia.		Female Threaded Union	Piece
1002 (6)	i9	Fittings - Polypropylene Random Copolymer (PPR-C)	100 mm dia.		Female Threaded Union	Piece
1002 (6)	j1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm dia.		Male Threaded Union	Piece
1002 (6)	j2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm dia.		Male Threaded Union	Piece
1002 (6)	j3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm dia.		Male Threaded Union	Piece
1002 (6)	j4	Fittings - Polypropylene Random Copolymer (PPR-C)	32 mm dia.		Male Threaded Union	Piece
1002 (6)	j5	Fittings - Polypropylene Random Copolymer (PPR-C)	40 mm dia.		Male Threaded Union	Piece
1002 (6)	j6	Fittings - Polypropylene Random Copolymer (PPR-C)	50 mm dia.		Male Threaded Union	Piece
1002 (6)	k1	Fittings - Polypropylene Random Copolymer (PPR-C)	13 mm dia.		End Cap	Piece
1002 (6)	k2	Fittings - Polypropylene Random Copolymer (PPR-C)	20 mm dia.		End Cap	Piece
1002 (6)	k3	Fittings - Polypropylene Random Copolymer (PPR-C)	25 mm dia.		End Cap	Piece
1002 (6)	k4	Fittings - Polypropylene Random Copolymer (PPR-C)	32 mm dia.		End Cap	Piece
1002 (6)	k5	Fittings - Polypropylene Random Copolymer (PPR-C)	40 mm dia.		End Cap	Piece
1002 (6)	k6	Fittings - Polypropylene Random Copolymer (PPR-C)	50 mm dia.		End Cap	Piece
1002 (6)	k7	Fittings - Polypropylene Random Copolymer (PPR-C)	65 mm dia.		End Cap	Piece
1002 (6)	k8	Fittings - Polypropylene Random Copolymer (PPR-C)	75 mm dia.		End Cap	Piece
1002 (6)	k9	Fittings - Polypropylene Random Copolymer (PPR-C)	100 mm dia.		End Cap	Piece
1002 (7)	a1	PVC Pipes (blue)	13 mm dia.			Piece

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1002 (7)	a2	PVC Pipes (blue)	20 mm dia.			Piece
1002 (7)	a3	PVC Pipes (blue)	25 mm dia.			Piece
1002 (7)	a4	PVC Pipes (blue)	32 mm dia.			Piece
1002 (7)	a5	PVC Pipes (blue)	40 mm dia.			Piece
1002 (7)	a6	PVC Pipes (blue)	50 mm dia.			Piece
1002 (7)	a7	PVC Pipes (blue)	65 mm dia.			Piece
1002 (7)	a8	PVC Pipes (blue)	75 mm dia.			Piece
1002 (7)	a9	PVC Pipes (blue)	100 mm dia.			Piece
1002 (7)	b1	PVC Pipes (blue)	13 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	b2	PVC Pipes (blue)	20 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	b3	PVC Pipes (blue)	25 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	b4	PVC Pipes (blue)	32 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	b5	PVC Pipes (blue)	40 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	b6	PVC Pipes (blue)	50 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	b7	PVC Pipes (blue)	65 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	b8	PVC Pipes (blue)	75 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	b9	PVC Pipes (blue)	100 mm dia.		(Elbow, 1/4 Bend (90 deg.))	Piece
1002 (7)	c1	PVC Pipes (blue)	13 mm dia.		Female Threaded (Elbow, 1/4 Bend (90deg.))	Piece
1002 (7)	c2	PVC Pipes (blue)	20 mm dia.		Female Threaded (Elbow, 1/4 Bend (90deg.))	Piece
1002 (7)	c3	PVC Pipes (blue)	25 mm dia.		Female Threaded (Elbow, 1/4 Bend (90deg.))	Piece
1002 (7)	d1	PVC Pipes (blue)	13 mm dia.	PVC	Tee (Equal)	Piece
1002 (7)	d2	PVC Pipes (blue)	20 mm dia.	PVC	Tee (Equal)	Piece
1002 (7)	d3	PVC Pipes (blue)	25 mm dia.	PVC	Tee (Equal)	Piece
1002 (7)	d4	PVC Pipes (blue)	32 mm dia.	PVC	Tee (Equal)	Piece
1002 (7)	d5	PVC Pipes (blue)	40 mm dia.	PVC	Tee (Equal)	Piece
1002 (7)	d6	PVC Pipes (blue)	50 mm dia.	PVC	Tee (Equal)	Piece

1002 (7)	e1	PVC Pipes (blue)	13 mm dia.	PVC	Female Threaded Tee	Piece
1002 (7)	e2	PVC Pipes (blue)	20 mm dia.	PVC	Female Threaded Tee	Piece
1002 (7)	e3	PVC Pipes (blue)	25 mm dia.	PVC	Female Threaded Tee	Piece
1002 (7)	f1	PVC Pipes (blue)	20 mm dia. x 13 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	f2	PVC Pipes (blue)	25 mm dia. x 20 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	f3	PVC Pipes (blue)	32 mm dia. x 20 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	f4	PVC Pipes (blue)	32 mm dia. x 25 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	f5	PVC Pipes (blue)	40 mm dia x 20 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	f6	PVC Pipes (blue)	40 mm dia. x 25 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	f7	PVC Pipes (blue)	50 mm dia. x 25 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	f8	PVC Pipes (blue)	50 mm dia. x 32 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	f9	PVC Pipes (blue)	50 mm dia. x 40 mm dia.	PVC	Tee Reducer (Unequal)	Piece
1002 (7)	g1	PVC Pipes (blue)	20 mm dia. x 13 mm dia.	PVC	Elbow Reducer	Piece
1002 (7)	g2	PVC Pipes (blue)	25 mm dia. x 13 mm dia.	PVC	Elbow Reducer	Piece
1002 (7)	g3	PVC Pipes (blue)	25 mm dia. x 20 mm dia.	PVC	Elbow Reducer	Piece
1002 (7)	h1	PVC Pipes (blue)	13 mm dia.	PVC	Socket/Coupling	Piece
1002 (7)	h2	PVC Pipes (blue)	20 mm dia.	PVC	Socket/Coupling	Piece
1002 (7)	h3	PVC Pipes (blue)	25 mm dia.	PVC	Socket/Coupling	Piece
1002 (7)	h4	PVC Pipes (blue)	32 mm dia.	PVC	Socket/Coupling	Piece
1002 (7)	h5	PVC Pipes (blue)	40 mm dia.	PVC	Socket/Coupling	Piece
1002 (7)	h6	PVC Pipes (blue)	50 mm dia.	PVC	Socket/Coupling	Piece
1002 (7)	i1	PVC Pipes (blue)	20 mm dia. x 13 mm dia.	PVC	Reducer	Piece
1002 (7)	i2	PVC Pipes (blue)	25 mm dia. x 20 mm dia.	PVC	Reducer	Piece

1002 (7)	i3	PVC Pipes (blue)	32 mm dia. x 25 mm dia.	PVC	Reducer	Piece
1002 (7)	i4	PVC Pipes (blue)	40 mm dia. x 32 mm dia.	PVC	Reducer	Piece
1002 (7)	i5	PVC Pipes (blue)	50 mm dia. x 40 mm dia.	PVC	Reducer	Piece
1002 (7)	j1	PVC Pipes (blue)	13 mm dia.	PVC	Male Threaded Adaptor	Piece
1002 (7)	j2	PVC Pipes (blue)	20 mm dia.	PVC	Male Threaded Adaptor	Piece
1002 (7)	j3	PVC Pipes (blue)	25 mm dia.	PVC	Male Threaded Adaptor	Piece
1002 (7)	j4	PVC Pipes (blue)	32 mm dia.	PVC	Male Threaded Adaptor	Piece
1002 (7)	j5	PVC Pipes (blue)	40 mm dia.	PVC	Male Threaded Adaptor	Piece
1002 (7)	j6	PVC Pipes (blue)	50 mm dia.	PVC	Male Threaded Adaptor	Piece
1002 (7)	k1	PVC Pipes (blue)	13 mm dia.		Female Threaded Adaptor	Piece
1002 (7)	k2	PVC Pipes (blue)	20 mm dia.		Female Threaded Adaptor	Piece
1002 (7)	k3	PVC Pipes (blue)	25 mm dia.		Female Threaded Adaptor	Piece
1002 (7)	l1	PVC Pipes (blue)	13 mm dia.		Cap	Piece
1002 (7)	l2	PVC Pipes (blue)	20 mm dia.		Cap	Piece
1002 (7)	l3	PVC Pipes (blue)	25 mm dia.		Cap	Piece
1002 (8)		Plumbing Fixtures				Lump Sum
1002 (9)	a1	Water Closet, Elongated, Complete			Tank Type	Set
1002 (9)	a2	Water Closet, Elongated, Complete			Flush Type	Set
1002 (9)	a3	Water Closet, Elongated, Automatic Flush Valve, Complete			Sensor Type	Set
1002 (9)	b1	Water Closet, Round Front, Complete			Tank Type	Set
1002 (9)	b2	Water Closet, Round Front, Complete			Flush Type	Set
1002 (9)	b3	Water Closet, Round Front, Automatic Flush Valve, Complete			Sensor Type	Set
1002 (10)	a1	Urinal, Flush Valve, Complete			Push Button Type	Set
1002 (10)	a2	Urinal, Flush Valve, Complete			Lever Arm Type	Set
1002 (10)	a3	Urinal, Automatic Flush Valve, Complete			Sensor Type	Set
1002 (11)	a1	Kitchen Sink, Complete			Stainless	Set

1002 (11)	a2	Kitchen Sink, Complete			Aluminum	Set
1002 (12)		Scrub Up Sink, Complete				Set
1002 (13)		Slop Sink, Complete				Set
1002 (14)	a1	Lavatory, Wall Hung, Complete			Manually Operated	Set
1002 (14)	a2	Lavatory, Wall Hung, Complete			Sensor Type	Set
1002 (15)	a1	Lavatory, Counter Top/Under Counter, Complete			Manually Operated	Set
1002 (15)	a2	Lavatory, Counter Top/Under Counter, Complete			Sensor Type	Set
1002 (16)	a1	Floor Drain Plates	50 mm dia.		Stainless	Set
1002 (16)	a2	Floor Drain Plates	75 mm dia.		Stainless	Set
1002 (16)	a3	Floor Drain Plates	100 mm dia.		Stainless	Set
1002 (16)	b1	Floor Drain Plates	50 mm dia.		Brass	Set
1002 (16)	b2	Floor Drain Plates	75 mm dia.		Brass	Set
1002 (16)	b3	Floor Drain Plates	100 mm dia.		Brass	Set
1002 (17)		Toilet Soap Holder				Piece
1002 (18)		Liquid Soap Dispenser				Piece
1002 (19)		Toilet Tissue Holder				Piece
1002 (20)		Toilet Tissue Dispenser				Piece
1002 (21)		Bidet				Piece
1002 (22)		Stainless Steel Grab Bar, 40mm dia.				Linear Meter
1002 (23)		Shower Head/Shower Valve				Set
1002 (24)		Facial Mirror				Square Meter
1002 (25)		Faucet				Piece
1002 (26)		Hose Bibb				Piece
1002 (27)	a1	Water Meter	13 mm dia.			Piece
1002 (27)	a2	Water Meter	20 mm dia.			Piece
1002 (27)	a3	Water Meter	25 mm dia.			Piece
1002 (27)	a4	Water Meter	32 mm dia.			Piece
1002 (28)		Cold Water Lines				Lump Sum
1002 (29)		Hot Water Lines				Lump Sum

ITEM 1003 – CARPENTRY AND JOINERY WORKS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1003 (1)	a1	Ceiling	4.5 mm	Metal Frame	Fiber Cement Board	Square Meters
1003 (1)	a2	Ceiling	4.5 mm	Wood Frame	Fiber Cement Board	Square Meters
1003 (1)	b1	Ceiling	4.5 mm	Metal Frame	Marine Plywood	Square Meters
1003 (1)	b2	Ceiling	4.5 mm	Wood Frame	Marine Plywood	Square Meters
1003 (1)	c1	Ceiling	6 mm	Metal Frame	Marine Plywood	Square Meters
1003 (1)	c2	Ceiling	6 mm	Wood Frame	Marine Plywood	Square Meters

1003 (1)	d1	Ceiling	6 mm	Metal Frame	Ordinary Plywood	Square Meters
1003 (1)	d2	Ceiling	6 mm	Wood Frame	Ordinary Plywood	Square Meters
1003 (1)	e1	Ceiling		Metal Frame	Gypsum Board	Square Meters
1003 (1)	e2	Ceiling		Metal Frame	Prepainted Metal Panel	Square Meters
1003 (1)	e3	Ceiling		Metal Frame	Aluminum Metal Cladding	Square Meters
1003 (2)	a1	Wall	4.5 mm	Metal Frame	Fiber Cement Board	Square Meters
1003 (2)	a2	Wall	4.5 mm	Wood Frame	Fiber Cement Board	Square Meters
1003 (2)	b1	Wall	6 mm	Metal Frame	Fiber Cement Board	Square Meters
1003 (2)	b2	Wall	6 mm	Wood Frame	Fiber Cement Board	Square Meters
1003 (2)	c1	Wall	4.5 mm	Metal Frame	Marine Plywood	Square Meters
1003 (2)	c2	Wall	4.5 mm	Wood Frame	Marine Plywood	Square Meters
1003 (2)	d1	Wall	6 mm	Metal Frame	Marine Plywood	Square Meters
1003 (2)	d2	Wall	6 mm	Wood Frame	Marine Plywood	Square Meters
1003 (2)	e1	Wall	6 mm	Metal Frame	Ordinary Plywood	Square Meters
1003 (2)	e2	Wall	6 mm	Wood Frame	Ordinary Plywood	Square Meters
1003 (2)	f	Wall			Aluminum Metal Cladding	Square Meters
1003 (3)		Cabinets				Square Meters
1003 (4)		Cabinets				Piece
1003 (5)		Roof Frame			Wood	Board Foot
1003 (6)		Floor Frame			Wood	Board Foot
1003 (7)		Flooring			Wood	Square Meters
1003 (8)		Flooring			Wood	Board Foot
1003 (9)		Wall Frame			Wood	Piece
1003 (10)		Wall Frame			Wood	Meter
1003 (11)	a1	Fascia Board	19 mm		Fiber Cement Board	Meter
1003 (11)	a2	Fascia Board	25 mm		Lumber	Meter
1003 (12)		Fascia Board			Metal	Kilogram
1003 (13)		Phenolic Board				Piece
1003 (14)		Phenolic Board				Square Meters
1003 (15)	a	Moulding			Wood	Meter
1003 (15)	b	Moulding			Concrete	Meter
1003 (16)		Pressurized Laminated Wood Particles				Square Meters
1003 (17)		Carpentry and Joinery Works				Lump Sum
1003 (18)		Lawanit				Square Meters

1003 (19)		Wooden Post			Good Lumber	Board Foot
1003 (20)		Coco Lumber				Board Foot

Item 1004 – HARDWARE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1004 (1)	a	Rough Hardware			Nails	Kilo
1004 (1)	b	Rough Hardware			Screws	Kilo
1004 (1)	c	Rough Hardware			Bolts	Kilo
1004 (2)	a	Finishing Hardware			Lockset	Set
1004 (2)	b	Finishing Hardware			Latches	Set
1004 (2)	c	Finishing Hardware			Bolts	Set
1004 (2)	d	Finishing Hardware			Door Closer	Set
1004 (2)	e	Finishing Hardware			Knobs	Set
1004 (2)	f	Finishing Hardware			Handles	Set
1004 (2)	g	Finishing Hardware			Hinges	Set
1004 (2)	h	Finishing Hardware			Ladder	Set
1004 (2)	i	Finishing Hardware			Grab Bar	Set
1004 (3)		Facial Mirror				Square Meter
1004 (4)		Hardware				Lump Sum

ITEM 1005 – STEEL WINDOWS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1005 (1)		Residential Casement				Square Meters
1005 (2)		Heavy Duty Side-hinged Ventilator				Square Meters
1005 (3)		Projected Ventilator				Square Meters
1005 (4)		Awning Ventilator				Square Meters
1005 (5)		Grille Window				Square Meters
1005 (6)		Steel Window				Lump Sum
1005 (7)		Window Accessory				Lump Sum

ITEM 1006 – STEEL DOORS AND FRAMES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1006 (1)		Hollow Steel Door				Square Meter
1006 (2)		Flush Door				Square Meter
1006 (3)		Grille Door				Square Meter
1006 (4)		Steel Louver Door				Square Meter
1006 (5)		Fire Rated Fire Exit Steel Door				Square Meter

1006 (6)		Steel Doors and Frames				Lump Sum
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ITEM 1007 – ALUMINUM GLASS DOORS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1007 (1)	a	Aluminum Glass Door			Sliding Type	Square Meter
1007 (1)	b	Aluminum Glass Door			Swing Type	Square Meter
1007 (2)		Aluminum Glass Door				Lump Sum

ITEM 1008 – ALUMINUM GLASS WINDOWS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1008 (1)	a	Aluminum Glass Windows			Sliding Type	Square Meter
1008 (1)	b	Aluminum Glass Windows			Casement Type	Square Meter
1008 (1)	c	Aluminum Glass Windows			Awning Type	Square Meter
1008 (1)	d	Aluminum Glass Windows			Fixed Type	Square Meter
1008 (2)		Aluminum Glass Windows				Lump Sum

ITEM 1009 – JALOUSIE WINDOWS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1009 (1)	a	Jalousie Windows			Glass	Square Meter
1009 (1)	b	Jalousie Windows			Wood	Square Meter
1009 (2)		Jalousie Windows				Lump Sum

ITEM 1010 – WOODEN DOORS AND WINDOWS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1010 (1)		Frames			Jambs, Sills, Head, Transoms and Mullions	Set
1010 (2)	a	Doors			Flush	Square Meter
1010 (2)	b	Doors			Wood Panel	Square Meter
1010 (2)	c	Doors			Glass Panel	Square Meter
1010 (3)		Window Sashes				Square Meter
1010 (4)		Wooden Doors and Windows				Lump Sum

ITEM 1011 – ROLL-UP DOORS

Pay Item	Suffix	Description	Valid Values			Unit Of Measure
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(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
1011 (1)	a	Roll-Up Door			Steel	Set
1011 (1)	b	Roll-Up Door			Aluminum	Set
1011 (2)		Roll-Up Doors				Lump Sum

ITEM 1012 – GLASS AND GLAZING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1012 (1)		Float Glass	5.6mm			Square Meter
1012 (2)		Ordinary window & Sheet Glass	5.6mm			Square Meter
1012 (3)	a1	Plate Glass	8mm			Square Meter
1012 (3)	a2	Plate Glass	10mm			Square Meter
1012 (3)	a3	Plate Glass	12mm			Square Meter
1012 (4)	a1	Tempered Glass Doors	10mm			Square Meter
1012 (4)	a2	Tempered Glass Doors	12mm			Square Meter
1012 (5)	a1	Tempered Glass Windows	8mm			Square Meter
1012 (5)	a2	Tempered Glass Windows	10mm			Square Meter
1012 (6)	a1	Tempered Glass Walls/Barriers, etc.	6mm			Square Meter
1012 (6)	a2	Tempered Glass Walls/Barriers, etc.	8mm			Square Meter
1012 (6)	a3	Tempered Glass Walls/Barriers, etc.	10mm			Square Meter
1012 (7)		Glass and Glazing				Lump Sum

ITEM 1013 – CORRUGATED METAL ROOFING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1013 (1)		Corrugated Metal Roofing	gauge 26			Square Meter
1013 (2)	a	Fabricated Metal Roofing Accessory	gauge 26		Ridge/Hip Rolls	Linear Meter
1013 (2)	b	Fabricated Metal Roofing Accessory	gauge 26		Flashings	Linear Meter
1013 (2)	c	Fabricated Metal Roofing Accessory	gauge 24		Gutters	Linear Meter
1013 (2)	d	Fabricated Metal Roofing Accessory	gauge 24		Downspouts	Linear Meter
1013 (2)	e	Fabricated Metal Roofing Accessory	gauge 24		Valley Rolls/Gutter	Linear Meter
1013 (2)	f	Fabricated Metal Roofing Accessory	gauge 24		Counter Flashing Gutter	Linear Meter
1013 (3)		Fabricated Metal Roofing Accessory	gauge 26		Plain GI Sheet	Piece
1013 (4)		Roof Ventilators				Each

ITEM 1013A – CORRUGATED ASPHALT ROOFING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

1013A (1)		Corrugated Asphalt Roofing	gauge 26			Square Meter
1013A (2)	a	Fabricated Asphalt Roofing Accessory	gauge 26		Ridge/Hip Rolls	Linear Meter
1013A (2)	b	Fabricated Asphalt Roofing Accessory	gauge 26		Flashings	Linear Meter
1013A (2)	c	Fabricated Asphalt Roofing Accessory	gauge 24		Gutters	Linear Meter
1013A (2)	d	Fabricated Asphalt Roofing Accessory	gauge 24		Downspouts	Linear Meter
1013A (2)	e	Fabricated Asphalt Roofing Accessory	gauge 24		Valley Rolls/Gutter	Linear Meter
1013A (2)	f	Fabricated Asphalt Roofing Accessory	gauge 24		Counter Flashing Gutter	Linear Meter
1013A (3)		Roof Ventilators				Each

ITEM 1014 – PREPAINTED METAL SHEETS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1014 (1)	a1	Prepainted Metal Sheets	below 0.427 mm	Corrugated Type	Short Span	Square Meter
1014 (1)	a2	Prepainted Metal Sheets	below 0.427 mm	Rib Type	Short Span	Square Meter
1014 (1)	b1	Prepainted Metal Sheets	above 0.427 mm	Corrugated Type	Long Span	Square Meter
1014 (1)	b2	Prepainted Metal Sheets	above 0.427 mm	Rib Type	Long Span	Square Meter
1014 (2)		Perforated Aluminum Ceiling Panels			Eaves	Square Meter

ITEM 1015 – CLAY ROOF TILE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1015 (1)		Clay Roof Tile				Square Meter

ITEM 1016 – WATERPROOFING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1016 (1)	a	Waterproofing			Cement-base	Square Meter
1016 (1)	b	Waterproofing			Liquid	Square Meter
1016 (2)		Built-up and Preformed Membrane				Square Meter

ITEM 1017 – ROOF DRAINS WITH STRAINERS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1017 (1)	a1	Roof Drain with Strainer	50 mm dia.			Set
1017 (1)	a2	Roof Drain with Strainer	75 mm dia.			Set
1017 (1)	a3	Roof Drain with Strainer	100 mm dia.			Set

1017 (1)	a4	Roof Drain with Strainer	150 mm dia.			Set
1017 (2)	b1	Canopy Drain with Strainer	50 mm dia.			Set
1017 (2)	b2	Canopy Drain with Strainer	75 mm dia.			Set
1017 (2)	b3	Canopy Drain with Strainer	100 mm dia.			Set
1017 (2)	b4	Canopy Drain with Strainer	150 mm dia.			Set
1017 (3)	c1	Gutter Drain with Strainer	50 mm dia.			Set
1017 (3)	c2	Gutter Drain with Strainer	75 mm dia.			Set
1017 (3)	c3	Gutter Drain with Strainer	100 mm dia.			Set

ITEM 1018 – CERAMIC/GRANITE TILES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1018 (1)		Glazed Tiles and Trims				Square Meter
1018 (2)		Unglazed Tiles				Square Meter
1018 (3)		Granite Tiles				Square Meter
1018 (4)		Synthetic Granite Tiles				Square Meter
1018 (5)	a	Countertop Finish			Granite	Square Meter
1018 (5)	b	Countertop Finish			Cement Plaster	Square Meter
1018 (5)	c	Countertop Finish			Glazed Tiles	Square Meter
1018 (5)	d	Countertop Finish			Unglazed Tiles	Square Meter
1018 (6)		Counter Edging				Linear Meter
1018 (7)		Glazed Tiles				Square Meter

ITEM 1019 – WOOD TILES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1019 (1)	a	Wood Tile			Narra	Square Meter
1019 (1)	b	Wood Tile			Tanguile	Square Meter
1019 (1)	c	Wood Tile			Others	Square Meter
1019 (1)	d	Wood Tile			Laminated	Square Meter

ITEM 1020 – VINYL FLOOR TILES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1020 (1)		Vinyl Floor Tile				Square Meter

ITEM 1021 – CEMENT FLOOR FINISH

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

1021 (1)	a	Cement Floor Finish			Plain	Square Meter
1021 (1)	b	Cement Floor Finish			Colored	Square Meter
1021 (1)	c	Cement Floor Finish			with Floor	Square Meter
1021 (2)		Stamped Concrete				Square Meter
1021 (3)	a	Floor Topping			Plain	Square Meter
1021 (3)	b	Floor Topping			Trowelled Finish	Square Meter
1021 (4)		Straight to Finish				Square Meter
1021 (5)		Cement Broom Finish				Square Meter

ITEM 1022 – STUCCO FINISH

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1022 (1)		Stucco Finish				Square Meter

ITEM 1023 - GRANOLITHIC MARBLE WORK

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1023 (1)		Corridors and Stair Landings				Square Meter
1023 (2)		Treads and Risers, etc.				Linear Meter
1023 (3)		Rooms and others				Square Meter

ITEM 1024 - PEA GRAVEL WASHOUT FINISH

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1024 (1)		Pea –Gravel Washout Finish				Square Meter

ITEM 1025 – BUSH HAMMERED FINISH

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1025 (1)	a	Hammered Finish			Bush	Square Meter
1025 (1)	b	Hammered Finish			Fluted Bush	Square Meter

ITEM 1026 – PEBBLE WASHOUT FINISH

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1026 (1)		Pebble Washout				Square Meter

ITEM 1027 – CEMENT PLASTER FINISH

Pay Item	Suffix	Description	Valid Values			Unit Of Measure
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(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
1027 (1)		Cement Plaster Finish				Square Meter
1027 (2)		Simulated Red Bricks			PN 142	Square Meter

ITEM 1028 – SYNTHETIC ADOBE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1028 (1)	a	Synthetic Adobe Finish			Bush Hammered	Square Meter
1028 (1)	b	Synthetic Adobe Finish			Fluted Bush Hammered	Square Meter
1028 (2)		Synthetic Finish			Piqueta Tool Finish	Square Meter

ITEM 1029 – GRANATITE WASHOUT FINISH

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1029 (1)		Granatite Washout Finish				Square Meter

ITEM 1030 – ACOUSTICAL CEILING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1030 (1)		Acoustical Ceiling Panel				Square Meter

ITEM 1031 – ACOUSTICAL TREATMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1031 (1)	a	Acoustical			Tile	Square Meter
1031 (1)	b	Acoustical			Board	Square Meter
1031 (1)	c	Acoustical			Panel	Square Meter
1031 (2)		Sprayed-on acoustical material				Square Meter

ITEM 1032 – PAINTING, VARNISHING AND OTHER RELATED WORKS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1032 (1)	a	Painting works			Masonry/Concrete	Square Meter
1032 (1)	b	Painting works			Wood	Square Meter
1032 (1)	c	Painting works			Steel	Square Meter
1032 (2)		Varnishing				Square Meter
1032 (3)		Sea-mist Finish				Square Meter
1032 (4)		Ducco Finish				Square Meter

1032 (5)		Texture Finish				Square Meter
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ITEM 1033 – METAL DECK

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1033 (1)		Metal Deck Panel				Linear Meter

ITEM 1034 – DAMPPROOFING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1034 (1)	a	Damp proofing			Asphalt	Square Meter
1034 (1)	b	Damp proofing			Polyethylene Sheet	Square Meter

ITEM 1035 – NON-STRUCTURAL METAL FRAMING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1035 (1)		Furring Channel				Linear Meter

ITEM 1036 – POLYCARBONATE SHEETS/PANELS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1036 (1)	a	Polycarbonate			Sheets	Linear Meter
1036 (1)	b	Polycarbonate			Panels	Linear Meter

ITEM 1037 – CONCRETE ROOF TILE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1037 (1)		Concrete Roof Tile				Square Meter

ITEM 1038 – REFLECTIVE INSULATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1038 (1)		Reflective Insulation				Square Meter

ITEM 1039 – ALUMINUM CLADDING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1039 (1)		Aluminum Cladding				Square Meter

ITEM 1040 – METAL LATH AND ACCESSORIES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1040 (1)		Metal Lath and Accessories				Lump Sum

ITEM 1041 – GYPSUM BOARD

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1041 (1)	a	Gypsum Board for Walls				Square Meter
1041 (1)	b	Gypsum Board for Ceilings				Square Meter

ITEM 1042 – STAINLESS STEEL DOOR AND FRAMES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1042 (1)		Stainless Steel Door and Frames				Square Meter
1042 (2)		Stainless Steel Door and Frames				Set

ITEM 1043 – PVC DOORS AND FRAMES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1043 (1)		PVC Doors and Frames				Square Meter
1043 (2)		PVC Doors and Frames				Set

ITEM 1044 – FOLDING DOOR/PARTITION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1044 (1)	a	Folding Door			Wooden	Square Meter
1044 (1)	b	Folding Door			Steel/Aluminum	Square Meter
1044 (1)	c	Folding Door			Plastic	Square Meter
1044 (2)	a	Folding Partition			Wooden	Square Meter
1044 (2)	b	Folding Partition			Steel/Aluminum	Square Meter
1044 (2)	c	Folding Partition			Plastic	Square Meter

ITEM 1045 – ALUMINUM PANEL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1045 (1)		Perforated Ceiling Panels				Square Meter

ITEM 1046 – MASONRY WORKS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1046 (1)	a1	CHB Load Bearing (including Reinforcing Steel)	100 mm			Square Meter
1046 (1)	a2	CHB Load Bearing (including Reinforcing Steel)	150 mm			Square Meter
1046 (2)	a1	CHB Non Load Bearing (including Reinforcing Steel)	100 mm			Square Meter
1046 (2)	a2	CHB Non Load Bearing (including Reinforcing Steel)	150 mm			Square Meter
1046 (3)		Louver Blocks				Square Meter

ITEM 1047 – METAL STRUCTURES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1047 (1)		Structural Steel				Lump Sum
1047 (2)	a	Structural Steel			Trusses	Kilogram
1047 (2)	b	Structural Steel			Purlins	Kilogram
1047 (3)	a	Metal Structure Accessories			Bolts	Piece
1047 (3)	b	Metal Structure Accessories			Sag rods	Piece
1047 (3)	c	Metal Structure Accessories			Turnbuckle	Piece
1047 (3)	d	Metal Structure Accessories			Cross Bracing	Piece
1047 (4)		Metal Structure Accessories			Cross Bracing	Kilogram
1047 (5)		Metal Structure Accessories			Steel Plates	Piece
1047 (6)		Metal Structure Accessories			Steel Plates	Kilogram
1047 (7)	a	Metal Structure Accessories			Bolts	Kilogram
1047 (7)	b	Metal Structure Accessories			Sag rods	Kilogram
1047 (7)	c	Metal Structure Accessories			Turnbuckle	Kilogram
1047 (8)		Structural Steel			Roof Framing	Lump Sum
1047 (9)		Stainless Steel Pipe			Flagpole Post	Kilogram

ITEM 1048 – CARBON AND GLASS FIBER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1048 (1)	a	Carbon Fiber Sheet			1 Layer	Square Meter
1048 (1)	b	Carbon Fiber Sheet			2 Layers	Square Meter
1048 (1)	c	Carbon Fiber Sheet			3 Layers	Square Meter
1048 (2)		Glass Fiber				Square Meter

ITEM 1048A – CARBON AND GLASS FIBER

Pay Item	Suffix	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
1048A (1)		Carbon Fiber Plate				Square Meter

ITEM 1049 – JET GROUTING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1049 (1)	a1	Jet Grouting	0.80			Meter
1049 (1)	a2	Jet Grouting	1.00			Meter
1049 (1)	a3	Jet Grouting	1.20			Meter

ITEM 1050 – NON-SHRINK GROUT

**Non-shrink grout shall not be measured and paid for separately, but the cost thereof shall be considered as included in the contract unit price of the items where called for.*

ITEM 1051 – RAILINGS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1051 (1)		Railing				Meter
1051 (2)	a	Concrete Railing			Standard	Meter
1051 (2)	b	Concrete Railing			Balluster	Meter
1051 (2)	c	Concrete Railing			Parapet	Meter
1051 (3)		Wooden Railing				Meter
1051 (4)		Stone and Brick Railing				Meter
1051 (5)		Metal Railing				Meter

ITEM 1052 – PILING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1052 (1)		Untreated Timber Piles, furnished				Meter
1052 (2)		Treated Timber Piles, preservative, furnished				Meter
1052 (3)		Steel H-Piles, furnished				Meter
1052 (4)	a1	Precast Concrete Piles, furnished	400x400 mm			Meter
1052 (4)	a2	Precast Concrete Piles, furnished	450x450 mm			Meter
1052 (5)	a1	Precast, Prestressed Concrete Piles, furnished	400x400 mm			Meter
1052 (5)	a2	Precast, Prestressed Concrete Piles, furnished	450x450 mm			Meter
1052 (6)		Structural Steel Sheet Piles, furnished				Meter
1052 (7)		Precast Concrete Sheet Piles, furnished				Meter
1052 (8)		Untreated Timber Piles, driven				Meter
1052 (9)		Treated Timber Piles, driven				Meter
1052 (10)		Steel H-Piles, driven				Meter
1052 (11)		Steel Pipes Piles				Meter

1052 (12)		Structural Steel Sheet Piles, driven				Meter
1052 (13)		Precast Concrete Sheet Piles, driven				Meter
1052 (14)		Precast Concrete Piles, driven				Meter
1052 (15)		Precast, Prestressed Concrete Piles, driven				Meter
1052 (16)		Test Piles, furnished and driven				Meter
1052 (17)	a1	Concrete Piles cast in Drilled Holes	0.80			Meter
1052 (17)	a2	Concrete Piles cast in Drilled Holes	0.90			Meter
1052 (17)	a3	Concrete Piles cast in Drilled Holes	1.00			Meter
1052 (17)	a4	Concrete Piles cast in Drilled Holes	1.10			Meter
1052 (17)	a5	Concrete Piles cast in Drilled Holes	1.20			Meter
1052 (17)	a6	Concrete Piles cast in Drilled Holes	1.30			Meter
1052 (17)	a7	Concrete Piles cast in Drilled Holes	1.40			Meter
1052 (17)	a8	Concrete Piles cast in Drilled Holes	1.50			Meter
1052 (17)	a9	Concrete Piles cast in Drilled Holes	1.60			Meter
1052 (17)	a10	Concrete Piles cast in Drilled Holes	1.70			Meter
1052 (17)	a11	Concrete Piles cast in Drilled Holes	1.80			Meter
1052 (17)	a12	Concrete Piles cast in Drilled Holes	1.90			Meter
1052 (17)	a13	Concrete Piles cast in Drilled Holes	2.00			Meter
1052 (17)	a14	Concrete Piles cast in Drilled Holes	2.10			Meter
1052 (17)	a15	Concrete Piles cast in Drilled Holes	2.20			Meter
1052 (17)	a16	Concrete Piles cast in Drilled Holes	2.30			Meter
1052 (17)	a17	Concrete Piles cast in Drilled Holes	2.40			Meter
1052 (17)	a18	Concrete Piles cast in Drilled Holes	2.50			Meter
1052 (17)	a19	Concrete Piles cast in Drilled Holes	2.60			Meter
1052 (17)	a20	Concrete Piles cast in Drilled Holes	2.70			Meter
1052 (17)	a21	Concrete Piles cast in Drilled Holes	2.80			Meter
1052 (17)	a22	Concrete Piles cast in Drilled Holes	2.90			Meter
1052 (17)	a23	Concrete Piles cast in Drilled Holes	3.00			Meter
1052 (18)		Concrete Piles cast in Steel Shells	400-500 mm dia.			Meter
1052 (19)		Concrete Piles cast in Steel Pipes	400-500 mm dia.			Meter
1052 (20)		Pile Shoes				Each
1052 (21)		Splices				Each
1052 (22)		Load Tests				Each
1052 (23)	a1	Bored Piles	0.80			Meter
1052 (23)	a2	Bored Piles	0.90			Meter
1052 (23)	a3	Bored Piles	1.00			Meter
1052 (23)	a4	Bored Piles	1.10			Meter
1052 (23)	a5	Bored Piles	1.20			Meter
1052 (23)	a6	Bored Piles	1.30			Meter
1052 (23)	a7	Bored Piles	1.40			Meter
1052 (23)	a8	Bored Piles	1.50			Meter

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1052 (23)	a9	Bored Piles	1.60			Meter
1052 (23)	a10	Bored Piles	1.70			Meter
1052 (23)	a11	Bored Piles	1.80			Meter
1052 (23)	a12	Bored Piles	1.90			Meter
1052 (23)	a13	Bored Piles	2.00			Meter
1052 (23)	a14	Bored Piles	2.10			Meter
1052 (23)	a15	Bored Piles	2.20			Meter
1052 (23)	a16	Bored Piles	2.30			Meter
1052 (23)	a17	Bored Piles	2.40			Meter
1052 (23)	a18	Bored Piles	2.50			Meter
1052 (23)	a19	Bored Piles	2.60			Meter
1052 (23)	a20	Bored Piles	2.70			Meter
1052 (23)	a21	Bored Piles	2.80			Meter
1052 (23)	a22	Bored Piles	2.90			Meter
1052 (23)	a23	Bored Piles	3.00			Meter
1052 (24)	a1	Permanent Casing	0.80		10mm thick	Meter
1052 (24)	a2	Permanent Casing	0.80		12mm thick	Meter
1052 (24)	a3	Permanent Casing	0.80		16mm thick	Meter
1052 (24)	b1	Permanent Casing	0.90		10mm thick	Meter
1052 (24)	b2	Permanent Casing	0.90		12mm thick	Meter
1052 (24)	b3	Permanent Casing	0.90		16mm thick	Meter
1052 (24)	c1	Permanent Casing	1.00		10mm thick	Meter
1052 (24)	c2	Permanent Casing	1.00		12mm thick	Meter
1052 (24)	c3	Permanent Casing	1.00		16mm thick	Meter
1052 (24)	d1	Permanent Casing	1.10		10mm thick	Meter
1052 (24)	d2	Permanent Casing	1.10		12mm thick	Meter
1052 (24)	d3	Permanent Casing	1.10		16mm thick	Meter
1052 (24)	e1	Permanent Casing	1.20		10mm thick	Meter
1052 (24)	e2	Permanent Casing	1.20		12mm thick	Meter
1052 (24)	e3	Permanent Casing	1.20		16mm thick	Meter
1052 (24)	f1	Permanent Casing	1.30		10mm thick	Meter
1052 (24)	f2	Permanent Casing	1.30		12mm thick	Meter
1052 (24)	f3	Permanent Casing	1.30		16mm thick	Meter
1052 (24)	g1	Permanent Casing	1.40		10mm thick	Meter
1052 (24)	g2	Permanent Casing	1.40		12mm thick	Meter
1052 (24)	g3	Permanent Casing	1.40		16mm thick	Meter
1052 (24)	h1	Permanent Casing	1.50		10mm thick	Meter
1052 (24)	h2	Permanent Casing	1.50		12mm thick	Meter
1052 (24)	h3	Permanent Casing	1.50		16mm thick	Meter
1052 (24)	i1	Permanent Casing	1.60		12mm thick	Meter

1052 (24)	i2	Permanent Casing	1.60		16mm thick	Meter
1052 (24)	j1	Permanent Casing	1.70		12mm thick	Meter
1052 (24)	j2	Permanent Casing	1.70		16mm thick	Meter
1052 (24)	k1	Permanent Casing	1.80		12mm thick	Meter
1052 (24)	k2	Permanent Casing	1.80		16mm thick	Meter
1052 (24)	l1	Permanent Casing	1.90		12mm thick	Meter
1052 (24)	l2	Permanent Casing	1.90		16mm thick	Meter
1052 (24)	m1	Permanent Casing	2.00		12mm thick	Meter
1052 (24)	m2	Permanent Casing	2.00		16mm thick	Meter
1052 (24)	n1	Permanent Casing	2.10		12mm thick	Meter
1052 (24)	n2	Permanent Casing	2.10		16mm thick	Meter
1052 (24)	o1	Permanent Casing	2.20		12mm thick	Meter
1052 (24)	o2	Permanent Casing	2.20		16mm thick	Meter
1052 (24)	p1	Permanent Casing	2.30		12mm thick	Meter
1052 (24)	p2	Permanent Casing	2.30		16mm thick	Meter
1052 (24)	q1	Permanent Casing	2.40		12mm thick	Meter
1052 (24)	q2	Permanent Casing	2.40		16mm thick	Meter
1052 (24)	r1	Permanent Casing	2.50		16mm thick	Meter
1052 (24)	r2	Permanent Casing	2.50		20mm thick	Meter
1052 (24)	s1	Permanent Casing	2.60		16mm thick	Meter
1052 (24)	s2	Permanent Casing	2.60		20mm thick	Meter
1052 (24)	t1	Permanent Casing	2.70		16mm thick	Meter
1052 (24)	t2	Permanent Casing	2.70		20mm thick	Meter
1052 (24)	u1	Permanent Casing	2.80		16mm thick	Meter
1052 (24)	u2	Permanent Casing	2.80		20mm thick	Meter
1052 (24)	v1	Permanent Casing	2.90		16mm thick	Meter
1052 (24)	v2	Permanent Casing	2.90		20mm thick	Meter
1052 (24)	w1	Permanent Casing	3.00		16mm thick	Meter
1052 (24)	w2	Permanent Casing	3.00		20mm thick	Meter
1052 (25)		Splicing of R.C. Piles with Epoxy				Kilogram
1052 (26)		Splicing of R.C. Piles with Epoxy				Each
1052 (27)	a	Pile Integrity Testing			Crosshole-Sonic	Each
1052 (27)	b	Pile Integrity Testing			Low Strain	Each
1052 (28)		High Strain Dynamic Testing (P.D.A)				Each
1052 (29)		Micro Piles	0.20			Meter
1052 (30)		Permanent Casing (Micro Piles)	0.20			Kilogram

ITEM 1053 - MISCELLANEOUS HARDWARES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

1053 (1)		Steel Tubular Mouldings				Meter
1053 (2)	a1	Stainless Steel Railings	38 mm dia.			Meter
1053 (2)	a2	Stainless Steel Railings	50 mm dia.			Meter
1053 (3)	a1	G.I. Pipe Railings	38 mm dia.			Meter
1053 (3)	a2	G.I. Pipe Railings	50 mm dia.			Meter
1053 (4)		Tubular Steel Handrails	150mm x 50mm			Meter
1053 (5)		Square Bar Railings (Solid)	19 mm			Meter
1053 (6)		Stair Brass Metal Nosing				Meter

ITEM 1054 – GLASS FIBER REINFORCED CONCRETE CLADDING PANELS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1054 (1)		Glass Fiber Reinforced Concrete (GFRC) Cladding Panels				Square Meter

ITEM 1055 – INTERIOR CEMENTITIOUS FIREPROOFING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1055 (1)		Sprayed Cementitious Fireproofing				Square Meter

ITEM 1056 – ASPHALT ROOFING SHINGLES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1056 (1)		Asphalt Roofing Shingles				Square Meter

PART D - ELECTRICAL**ITEM 1100 – CONDUITS, BOXES & FITTINGS**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Diameter	Class	Others	
1100 (1)	a1	Rigid Steel Conduit (RSC)	15 mm dia. x 3m			Length
1100 (1)	a2	Rigid Steel Conduit (RSC)	20 mm dia x 3m			Length
1100 (1)	a3	Rigid Steel Conduit (RSC)	25 mm dia x 3m			Length
1100 (1)	a4	Rigid Steel Conduit (RSC)	32 mm dia x 3m			Length
1100 (1)	a5	Rigid Steel Conduit (RSC)	40 mm dia x 3m			Length
1100 (1)	a6	Rigid Steel Conduit (RSC)	50 mm dia x 3m			Length
1100 (1)	a7	Rigid Steel Conduit (RSC)	65 mm dia x 3m			Length
1100 (1)	a8	Rigid Steel Conduit (RSC)	80 mm dia x 3m			Length
1100 (1)	a9	Rigid Steel Conduit (RSC)	90 mm dia x 3m			Length
1100 (1)	a10	Rigid Steel Conduit (RSC)	100 mm dia x 3m			Length

1100 (1)	a11	Rigid Steel Conduit (RSC)	125 mm dia x 3m			Length
1100 (1)	a12	Rigid Steel Conduit (RSC)	150 mm dia x 3m			Length
1100 (2)	a1	Intermediate Metal Conduit (IMC)	15 mm dia. x 3m			Length
1100 (2)	a2	Intermediate Metal Conduit (IMC)	20 mm dia x 3m			Length
1100 (2)	a3	Intermediate Metal Conduit (IMC)	25 mm dia x 3m			Length
1100 (2)	a4	Intermediate Metal Conduit (IMC)	32 mm dia x 3m			Length
1100 (2)	a5	Intermediate Metal Conduit (IMC)	40 mm dia x 3m			Length
1100 (2)	a6	Intermediate Metal Conduit (IMC)	50 mm dia x 3m			Length
1100 (2)	a7	Intermediate Metal Conduit (IMC)	65 mm dia x 3m			Length
1100 (2)	a8	Intermediate Metal Conduit (IMC)	80 mm dia x 3m			Length
1100 (2)	a9	Intermediate Metal Conduit (IMC)	90 mm dia x 3m			Length
1100 (2)	a10	Intermediate Metal Conduit (IMC)	100 mm dia x 3m			Length
1100 (3)	a1	Flexible Metal Conduit	15 mm dia. x 3m			Meter
1100 (3)	a2	Flexible Metal Conduit	20 mm dia x 3m			Meter
1100 (3)	a3	Flexible Metal Conduit	25 mm dia x 3m			Meter
1100 (3)	a4	Flexible Metal Conduit	32 mm dia x 3m			Meter
1100 (3)	a5	Flexible Metal Conduit	40 mm dia x 3m			Meter
1100 (3)	a6	Flexible Metal Conduit	50 mm dia x 3m			Meter
1100 (3)	a7	Flexible Metal Conduit	65 mm dia x 3m			Meter
1100 (3)	a8	Flexible Metal Conduit	80 mm dia x 3m			Meter
1100 (3)	a9	Flexible Metal Conduit	90 mm dia x 3m			Meter
1100 (3)	a10	Flexible Metal Conduit	100 mm dia x 3m			Meter
1100 (4)	a1	Electrical Metallic Tubing (EMT)	15 mm dia. x 3m			Length
1100 (4)	a2	Electrical Metallic Tubing (EMT)	20 mm dia x 3m			Length
1100 (4)	a3	Electrical Metallic Tubing (EMT)	25 mm dia x 3m			Length
1100 (4)	a4	Electrical Metallic Tubing (EMT)	32 mm dia x 3m			Length
1100 (4)	a5	Electrical Metallic Tubing (EMT)	40 mm dia x 3m			Length
1100 (4)	a6	Electrical Metallic Tubing (EMT)	50 mm dia x 3m			Length
1100 (4)	a7	Electrical Metallic Tubing (EMT)	65 mm dia x 3m			Length
1100 (4)	a8	Electrical Metallic Tubing (EMT)	80 mm dia x 3m			Length
1100 (4)	a9	Electrical Metallic Tubing (EMT)	90 mm dia x 3m			Length
1100 (4)	a10	Electrical Metallic Tubing (EMT)	100 mm dia x 3m			Length
1100 (5)	a1	Rigid Type Flexible Non-Metallic Conduit	10 mm dia. x 3m			Meter
1100 (5)	a2	Rigid Type Flexible Non-Metallic Conduit	15 mm dia. x 3m			Meter
1100 (5)	a3	Rigid Type Flexible Non-Metallic Conduit	20 mm dia x 3m			Meter
1100 (5)	a4	Rigid Type Flexible Non-Metallic Conduit	25 mm dia x 3m			Meter
1100 (5)	a5	Rigid Type Flexible Non-Metallic Conduit	32 mm dia x 3m			Meter
1100 (5)	a6	Rigid Type Flexible Non-Metallic Conduit	40 mm dia x 3m			Meter
1100 (5)	a7	Rigid Type Flexible Non-Metallic Conduit	50 mm dia x 3m			Meter
1100 (6)	a1	Polyvinyl Chloride Pipes (PVC/uPVC)	20 mm dia x 3m			Meter

1100 (6)	a2	Polyvinyl Chloride Pipes (PVC/uPVC)	25 mm dia x 3m			Meter
1100 (6)	a3	Polyvinyl Chloride Pipes (PVC/uPVC)	32 mm dia x 3m			Meter
1100 (6)	a4	Polyvinyl Chloride Pipes (PVC/uPVC)	40 mm dia x 3m			Meter
1100 (6)	a5	Polyvinyl Chloride Pipes (PVC/uPVC)	50 mm dia x 3m			Meter
1100 (6)	a6	Polyvinyl Chloride Pipes (PVC/uPVC)	63 mm dia x 3m			Meter
1100 (6)	a7	Polyvinyl Chloride Pipes (PVC/uPVC)	75 mm dia x 3m			Meter
1100 (6)	a8	Polyvinyl Chloride Pipes (PVC/uPVC)	90 mm dia x 3m			Meter
1100 (6)	a9	Polyvinyl Chloride Pipes (PVC/uPVC)	100 mm dia x 3m			Meter
1100 (6)	a10	Polyvinyl Chloride Pipes (PVC/uPVC)	110 mm dia x 3m			Meter
1100 (6)	a11	Polyvinyl Chloride Pipes (PVC/uPVC)	160 mm dia x 3m			Meter
1100 (7)	a1	Conduit Coupling	15 mm dia.	RSC		Piece
1100 (7)	a2	Conduit Coupling	20 mm dia	RSC		Piece
1100 (7)	a3	Conduit Coupling	25 mm dia.	RSC		Piece
1100 (7)	a4	Conduit Coupling	32 mm dia.	RSC		Piece
1100 (7)	a5	Conduit Coupling	40 mm dia.	RSC		Piece
1100 (7)	a6	Conduit Coupling	50 mm dia.	RSC		Piece
1100 (7)	a7	Conduit Coupling	65 mm dia.	RSC		Piece
1100 (7)	a8	Conduit Coupling	80 mm dia.	RSC		Piece
1100 (7)	a9	Conduit Coupling	90 mm dia.	RSC		Piece
1100 (7)	a10	Conduit Coupling	100 mm dia.	RSC		Piece
1100 (7)	a11	Conduit Coupling	125 mm dia	RSC		Piece
1100 (7)	a12	Conduit Coupling	150 mm dia	RSC		Piece
1100 (7)	b1	Conduit Coupling	15 mm dia.	IMC		Piece
1100 (7)	b2	Conduit Coupling	20 mm dia	IMC		Piece
1100 (7)	b3	Conduit Coupling	25 mm dia.	IMC		Piece
1100 (7)	b4	Conduit Coupling	32 mm dia.	IMC		Piece
1100 (7)	b5	Conduit Coupling	40 mm dia.	IMC		Piece
1100 (7)	b6	Conduit Coupling	50 mm dia.	IMC		Piece
1100 (7)	b7	Conduit Coupling	65 mm dia.	IMC		Piece
1100 (7)	b8	Conduit Coupling	80 mm dia.	IMC		Piece
1100 (7)	b9	Conduit Coupling	90 mm dia.	IMC		Piece
1100 (7)	b10	Conduit Coupling	100 mm dia.	IMC		Piece
1100 (7)	c1	Conduit Coupling	15 mm dia.	EMT	Screw Type	Piece
1100 (7)	c2	Conduit Coupling	20 mm dia	EMT	Screw Type	Piece
1100 (7)	c3	Conduit Coupling	25 mm dia.	EMT	Screw Type	Piece
1100 (7)	c4	Conduit Coupling	32 mm dia.	EMT	Screw Type	Piece
1100 (7)	c5	Conduit Coupling	40 mm dia.	EMT	Screw Type	Piece
1100 (7)	c6	Conduit Coupling	50 mm dia.	EMT	Screw Type	Piece
1100 (7)	c7	Conduit Coupling	65 mm dia.	EMT	Screw Type	Piece
1100 (7)	c8	Conduit Coupling	80 mm dia.	EMT	Screw Type	Piece
1100 (7)	c9	Conduit Coupling	90 mm dia.	EMT	Screw Type	Piece

1100 (7)	c10	Conduit Coupling	100 mm dia.	EMT	Screw Type	Piece
1100 (8)	a1	PVC/uPVC Coupling	20 mm dia.			Piece
1100 (8)	a2	PVC/uPVC Coupling	25 mm dia.			Piece
1100 (8)	a3	PVC/uPVC Coupling	32 mm dia.			Piece
1100 (8)	a4	PVC/uPVC Coupling	40 mm dia.			Piece
1100 (8)	a5	PVC/uPVC Coupling	50 mm dia.			Piece
1100 (8)	a6	PVC/uPVC Coupling	63 mm dia.			Piece
1100 (8)	a7	PVC/uPVC Coupling	75 mm dia.			Piece
1100 (8)	a8	PVC/uPVC Coupling	90 mm dia.			Piece
1100 (8)	a9	PVC/uPVC Coupling	100 mm dia.			Piece
1100 (8)	a10	PVC/uPVC Coupling	110 mm dia.			Piece
1100 (8)	a11	PVC/uPVC Coupling	160 mm dia.			Piece
1100 (9)	a1	Locknut & Bushing	15 mm dia.	RSC		Pair
1100 (9)	a2	Locknut & Bushing	20 mm dia.	RSC		Pair
1100 (9)	a3	Locknut & Bushing	25 mm dia.	RSC		Pair
1100 (9)	a4	Locknut & Bushing	32 mm dia.	RSC		Pair
1100 (9)	a5	Locknut & Bushing	40 mm dia.	RSC		Pair
1100 (9)	a6	Locknut & Bushing	50 mm dia.	RSC		Pair
1100 (9)	a7	Locknut & Bushing	65 mm dia.	RSC		Pair
1100 (9)	a8	Locknut & Bushing	80 mm dia.	RSC		Pair
1100 (9)	a9	Locknut & Bushing	90 mm dia.	RSC		Pair
1100 (9)	a10	Locknut & Bushing	100 mm dia.	RSC		Pair
1100 (9)	a11	Locknut & Bushing	125 mm dia.	RSC		Pair
1100 (9)	a12	Locknut & Bushing	150 mm dia.	RSC		Pair
1100 (9)	b1	Locknut & Bushing	15 mm dia.	IMC		Pair
1100 (9)	b2	Locknut & Bushing	20 mm dia.	IMC		Pair
1100 (9)	b3	Locknut & Bushing	25 mm dia.	IMC		Pair
1100 (9)	b4	Locknut & Bushing	32 mm dia.	IMC		Pair
1100 (9)	b5	Locknut & Bushing	40 mm dia.	IMC		Pair
1100 (9)	b6	Locknut & Bushing	50 mm dia.	IMC		Pair
1100 (9)	b7	Locknut & Bushing	65 mm dia.	IMC		Pair
1100 (9)	b8	Locknut & Bushing	80 mm dia.	IMC		Pair
1100 (9)	b9	Locknut & Bushing	90 mm dia.	IMC		Pair
1100 (9)	b10	Locknut & Bushing	100 mm dia.	IMC		Pair
1100 (10)	a1	PVC/uPVC Adapter	20 mm dia.			Piece
1100 (10)	a2	PVC/uPVC Adapter	25 mm dia.			Piece
1100 (10)	a3	PVC/uPVC Adapter	32 mm dia.			Piece
1100 (10)	a4	PVC/uPVC Adapter	40 mm dia.			Piece
1100 (10)	a5	PVC/uPVC Adapter	50 mm dia.			Piece
1100 (10)	a6	PVC/uPVC Adapter	63 mm dia.			Piece
1100 (10)	a7	PVC/uPVC Adapter	75 mm dia.			Piece

1100 (10)	a8	PVC/uPVC Adapter	90 mm dia.			Piece
1100 (10)	a9	PVC/uPVC Adapter	100 mm dia.			Piece
1100 (10)	a10	PVC/uPVC Adapter	110 mm dia.			Piece
1100 (10)	a11	PVC/uPVC Adapter	160 mm dia.			Piece
1100 (11)	a1	Conduit Elbow	15 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a2	Conduit Elbow	20 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a3	Conduit Elbow	25 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a4	Conduit Elbow	32 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a5	Conduit Elbow	40 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a6	Conduit Elbow	50 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a7	Conduit Elbow	65 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a8	Conduit Elbow	80 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a9	Conduit Elbow	90 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a10	Conduit Elbow	100 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a11	Conduit Elbow	125 mm dia. x 90 deg.	RSC		Piece
1100 (11)	a12	Conduit Elbow	150 mm dia. x 90 deg.	RSC		Piece
1100 (11)	b1	Conduit Elbow	15 mm dia. x 90 deg.	IMC		Piece
1100 (11)	b2	Conduit Elbow	20 mm dia. x 90 deg.	IMC		Piece
1100 (11)	b3	Conduit Elbow	25 mm dia. x 90 deg.	IMC		Piece
1100 (11)	b4	Conduit Elbow	32 mm dia. x 90 deg.	IMC		Piece
1100 (11)	b5	Conduit Elbow	40 mm dia. x 90 deg.	IMC		Piece
1100 (11)	b6	Conduit Elbow	50 mm dia. x 90 deg.	IMC		Piece

1100 (11)	b7	Conduit Elbow	65 mm dia. x 90 deg.	IMC		Piece
1100 (11)	b8	Conduit Elbow	80 mm dia. x 90 deg.	IMC		Piece
1100 (11)	b9	Conduit Elbow	90 mm dia. x 90 deg.	IMC		Piece
1100 (11)	b10	Conduit Elbow	100 mm dia. x 90 deg.	IMC		Piece
1100 (11)	c1	Conduit Elbow	15 mm dia. x 90 deg.	EMT		Piece
1100 (11)	c2	Conduit Elbow	20 mm dia. x 90 deg.	EMT		Piece
1100 (11)	c3	Conduit Elbow	25 mm dia. x 90 deg.	EMT		Piece
1100 (11)	c4	Conduit Elbow	32 mm dia. x 90 deg.	EMT		Piece
1100 (11)	c5	Conduit Elbow	40 mm dia. x 90 deg.	EMT		Piece
1100 (11)	c6	Conduit Elbow	50 mm dia. x 90 deg.	EMT		Piece
1100 (11)	c7	Conduit Elbow	65 mm dia. x 90 deg.	EMT		Piece
1100 (11)	c8	Conduit Elbow	80 mm dia x 90 deg.	EMT		Piece
1100 (11)	c9	Conduit Elbow	90 mm dia x 90 deg.	EMT		Piece
1100 (11)	c10	Conduit Elbow	100 mm dia x 90 deg.	EMT		Piece
1100 (12)	a1	PVC/uPVC Elbow	20 mm dia. x 90 deg.			Piece
1100 (12)	a2	PVC/uPVC Elbow	25 mm dia. x 90 deg.			Piece
1100 (12)	a3	PVC/uPVC Elbow	32 mm dia . x 90 deg.			Piece
1100 (12)	a4	PVC/uPVC Elbow	40 mm dia. x 90 deg.			Piece
1100 (12)	a5	PVC/uPVC Elbow	50 mm dia. x 90 deg.			Piece
1100 (12)	a6	PVC/uPVC Elbow	63 mm dia. x 90 deg.			Piece

1100 (12)	a7	PVC/uPVC Elbow	75 mm dia. x 90 deg			Piece
1100 (12)	a8	PVC/uPVC Elbow	90 mm dia. x 90 deg.			Piece
1100 (12)	a9	PVC/uPVC Elbow	100 mm dia. x 90 deg.			Piece
1100 (12)	a10	PVC/uPVC Elbow	110 mm dia x 90 deg.			Piece
1100 (12)	a11	PVC/uPVC Elbow	160 mm dia x 90 deg.			Piece
1100 (13)	a1	Straight Connector	15 mm dia.	EMT		Piece
1100 (13)	a2	Straight Connector	20 mm dia	EMT		Piece
1100 (13)	a3	Straight Connector	25 mm dia.	EMT		Piece
1100 (13)	a4	Straight Connector	32 mm dia.	EMT		Piece
1100 (13)	a5	Straight Connector	40 mm dia.	EMT		Piece
1100 (13)	a6	Straight Connector	50 mm dia.	EMT		Piece
1100 (13)	a7	Straight Connector	65 mm dia.	EMT		Piece
1100 (13)	a8	Straight Connector	80 mm dia.	EMT		Piece
1100 (13)	a9	Straight Connector	90 mm dia.	EMT		Piece
1100 (13)	a10	Straight Connector	100 mm dia.	EMT		Piece
1100 (14)	a1	End Bell	15 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a2	End Bell	20 mm dia	Hot Dipped Galvanized Steel		Piece
1100 (14)	a3	End Bell	25 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a4	End Bell	32 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a5	End Bell	40 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a6	End Bell	50 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a7	End Bell	65 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a8	End Bell	80 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a9	End Bell	90 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a10	End Bell	100 mm dia.	Hot Dipped Galvanized Steel		Piece

1100 (14)	a11	End Bell	125 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	a12	End Bell	150 mm dia.	Hot Dipped Galvanized Steel		Piece
1100 (14)	b1	End Bell	20 mm dia	PVC/uPVC		Piece
1100 (14)	b2	End Bell	25 mm dia.	PVC/uPVC		Piece
1100 (14)	b3	End Bell	32 mm dia.	PVC/uPVC		Piece
1100 (14)	b4	End Bell	40 mm dia.	PVC/uPVC		Piece
1100 (14)	b5	End Bell	50 mm dia.	PVC/uPVC		Piece
1100 (14)	b6	End Bell	63 mm dia.	PVC/uPVC		Piece
1100 (14)	b7	End Bell	75 mm dia.	PVC/uPVC		Piece
1100 (14)	b8	End Bell	90 mm dia.	PVC/uPVC		Piece
1100 (14)	b9	End Bell	100 mm dia.	PVC/uPVC		Piece
1100 (14)	b10	End Bell	110 mm dia.	PVC/uPVC		Piece
1100 (14)	b11	End Bell	160 mm dia.	PVC/uPVC		Piece
1100 (15)	a1	Weatherhead Condulet	15 mm dia.	Rigid Steel, Hot Dipped		Piece
1100 (15)	a2	Weatherhead Condulet	20 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a3	Weatherhead Condulet	25 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a4	Weatherhead Condulet	32 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a5	Weatherhead Condulet	40 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a6	Weatherhead Condulet	50 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a7	Weatherhead Condulet	65 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a8	Weatherhead Condulet	80 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a9	Weatherhead Condulet	90 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a10	Weatherhead Condulet	100 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a11	Weatherhead Condulet	125 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (15)	a12	Weatherhead Condulet	150 mm dia	Rigid Steel, Hot Dipped		Piece
1100 (16)	a1	Conduit Clamp	15 mm dia	Metal		Piece

1100 (16)	a2	Conduit Clamp	20 mm dia	Metal		Piece
1100 (16)	a3	Conduit Clamp	25 mm dia	Metal		Piece
1100 (16)	a4	Conduit Clamp	32 mm dia	Metal		Piece
1100 (16)	a5	Conduit Clamp	40 mm dia	Metal		Piece
1100 (16)	a6	Conduit Clamp	50 mm dia	Metal		Piece
1100 (16)	a7	Conduit Clamp	65 mm dia	Metal		Piece
1100 (16)	a8	Conduit Clamp	80 mm dia	Metal		Piece
1100 (16)	a9	Conduit Clamp	90 mm dia	Metal		Piece
1100 (16)	a10	Conduit Clamp	100 mm dia	Metal		Piece
1100 (16)	a11	Conduit Clamp	125 mm dia	Metal		Piece
1100 (16)	b1	Conduit Clamp	15 mm dia	PVC		Piece
1100 (16)	b2	Conduit Clamp	20 mm dia	PVC		Piece
1100 (16)	b3	Conduit Clamp	25 mm dia	PVC		Piece
1100 (16)	b4	Conduit Clamp	32 mm dia	PVC		Piece
1100 (16)	b5	Conduit Clamp	40 mm dia	PVC		Piece
1100 (16)	b6	Conduit Clamp	50 mm dia	PVC		Piece
1100 (16)	b7	Conduit Clamp	65 mm dia	PVC		Piece
1100 (16)	b8	Conduit Clamp	80 mm dia	PVC		Piece
1100 (16)	b9	Conduit Clamp	90 mm dia	PVC		Piece
1100 (16)	b10	Conduit Clamp	100 mm dia	PVC		Piece
1100 (16)	b11	Conduit Clamp	125 mm dia	PVC		Piece
1100 (16)	b12	Conduit Clamp	150 mm dia	PVC		Piece
1100 (17)	a1	G.I. Wire			GA #14	Kilo
1100 (17)	a2	G.I. Wire			GA #16	Kilo
1100 (18)		PVC Solvent Cement			400 cc	Can
1100 (19)	a	Octagonal Junction Boxes			Metal	Piece
1100 (19)	b	Octagonal Junction Boxes			PVC/uPVC	Piece
1100 (20)	a	Utility Boxes			Metal	Piece
1100 (20)	b	Utility Boxes			PVC/uPVC	Piece
1100 (21)	a	Pull Box			Metal	Piece
1100 (21)	b	Pull Box			PVC/uPVC	Piece
1100 (22)	a	Square Box			Metal	Piece
1100 (22)	b	Square Box			PVC/uPVC	Piece
1100 (23)		Reinforced Concrete Pedestal Pole				Lot
1100 (24)		Red Lead Paint			1000 cc	Can
1100 (25)	a	Grounding Rod Copper clad	16mm dia x 3m			Length
1100 (25)	b	Grounding Rod Copper clad	20mm dia x 3m			Length
1100 (25)	c	Grounding Rod Copper clad	25mm dia x 3m			Length

1100 (26)		Apitong or Approved Equal Creosoted Wood Pole				Piece
1100 (27)		Anchor Rod				Piece
1100 (28)		Anchor Log				Piece
1100 (29)		Powerload Studs with Nuts				Piece
1100 (30)		Conduits, Boxes & Fittings				Lump Sum
1100 (31)		Hacksaw Blade				Piece

ITEM 1101 – WIRES AND WIRING DEVICES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1101 (1)	a1	Electric Wire	1.6 mm dia. TW/THHN/THWN ²			Roll
1101 (1)	a2	Electric Wire	2.0 mm dia. TW/THHN/THWN ²			Roll
1101 (1)	a3	Electric Wire	2.6 mm dia. TW/THHN/THWN ²			Roll
1101 (1)	a4	Electric Wire	3.2 mm dia. TW/THHN/THWN ²			Roll
1101 (1)	a5	Electric Wire	2.0mm ² TW/THHN/THWN ²			Roll
1101 (1)	a6	Electric Wire	3.5mm ² TW/THHN/THWN ²			Roll
1101 (1)	a7	Electric Wire	5.5mm ² TW/THHN/THWN ²			Roll
1101 (1)	a8	Electric Wire	8.0mm ² TW/THHN/THWN ²			Roll
1101 (1)	a9	Electric Wire	14mm ² TW/THHN/THWN ²			Roll
1101 (1)	a10	Electric Wire	22mm ² TW/THHN/THWN ²			Roll
1101 (1)	a11	Electric Wire	30mm ² TW/THHN/THWN ²			Roll
1101 (1)	a12	Electric Wire	38mm ² TW/THHN/THWN ²			Roll
1101 (1)	a13	Electric Wire	50mm ² TW/THHN/THWN ²			Roll

1101 (1)	a14	Electric Wire	60mm ² TW/THHN/THWN ²			Roll
1101 (1)	a15	Electric Wire	80mm ² TW/THHN/THWN ²			Roll
1101 (1)	a16	Electric Wire	100mm ² TW/THHN/THWN ²			Roll
1101 (1)	a17	Electric Wire	125mm ² TW/THHN/THWN ²			Roll
1101 (1)	a18	Electric Wire	150mm ² TW/THHN/THWN ²			Roll
1101 (1)	a19	Electric Wire	200mm ² TW/THHN/THWN ²			Roll
1101 (1)	a20	Electric Wire	250mm ² TW/THHN/THWN ²			Roll
1101 (1)	a21	Electric Wire	325mm ² TW/THHN/THWN ²			Roll
1101 (1)	a22	Electric Wire	400mm ² TW/THHN/THWN ²			Roll
1101 (1)	a23	Electric Wire	500mm ² TW/THHN/THWN ²			Roll
1101 (2)	a1	Electric Wire	1.6 mm dia. TW/THHN/THWN ²			Meter
1101 (2)	a2	Electric Wire	2.0 mm dia. TW/THHN/THWN ²			Meter
1101 (2)	a3	Electric Wire	2.6 mm dia. TW/THHN/THWN ²			Meter
1101 (2)	a4	Electric Wire	3.2 mm dia. TW/THHN/THWN ²			Meter
1101 (2)	a5	Electric Wire	2.0mm ² TW/THHN/THWN ²			Meter
1101 (2)	a6	Electric Wire	3.5mm ² TW/THHN/THWN ²			Meter
1101 (2)	a7	Electric Wire	5.5mm ² TW/THHN/THWN ²			Meter
1101 (2)	a8	Electric Wire	8.0mm ² TW/THHN/THWN ²			Meter

1101 (2)	a9	Electric Wire	14mm ² TW/THHN/THWN ²			Meter
1101 (2)	a10	Electric Wire	22mm ² TW/THHN/THWN ²			Meter
1101 (2)	a11	Electric Wire	30mm ² TW/THHN/THWN ²			Meter
1101 (2)	a12	Electric Wire	38mm ² TW/THHN/THWN ²			Meter
1101 (2)	a13	Electric Wire	50mm ² TW/THHN/THWN ²			Meter
1101 (2)	a14	Electric Wire	60mm ² TW/THHN/THWN ²			Meter
1101 (2)	a15	Electric Wire	80mm ² TW/THHN/THWN ²			Meter
1101 (2)	a16	Electric Wire	100mm ² TW/THHN/THWN ²			Meter
1101 (2)	a17	Electric Wire	125mm ² TW/THHN/THWN ²			Meter
1101 (2)	a18	Electric Wire	150mm ² TW/THHN/THWN ²			Meter
1101 (2)	a19	Electric Wire	200mm ² TW/THHN/THWN ²			Meter
1101 (2)	a20	Electric Wire	250mm ² TW/THHN/THWN ²			Meter
1101 (2)	a21	Electric Wire	325mm ² TW/THHN/THWN ²			Meter
1101 (2)	a22	Electric Wire	400mm ² TW/THHN/THWN ²			Meter
1101 (2)	a23	Electric Wire	500mm ² TW/THHN/THWN ²			Meter
1101 (3)	a1	Electric Wire	1C X 4	XLPE		Roll
1101 (3)	a2	Electric Wire	1C X 6	XLPE		Roll
1101 (3)	a3	Electric Wire	1C X 10	XLPE		Roll
1101 (3)	a4	Electric Wire	1C X 25	XLPE		Roll
1101 (3)	a5	Electric Wire	1C X 35	XLPE		Roll
1101 (3)	a6	Electric Wire	1C X 50	XLPE		Roll
1101 (3)	a7	Electric Wire	1C X 70	XLPE		Roll

1101 (3)	a8	Electric Wire	1C X 95	XLPE		Roll
1101 (3)	a9	Electric Wire	1C X 120	XLPE		Roll
1101 (3)	a10	Electric Wire	1C X 185	XLPE		Roll
1101 (3)	a11	Electric Wire	1C X 240	XLPE		Roll
1101 (3)	a12	Electric Wire	1C X 300	XLPE		Roll
1101 (3)	a13	Electric Wire	1C X 400	XLPE		Roll
1101 (3)	a14	Electric Wire	1C X 500	XLPE		Roll
1101 (3)	b1	Electric Wire	2C X 4	XLPE		Roll
1101 (3)	b2	Electric Wire	2C X 6	XLPE		Roll
1101 (3)	b3	Electric Wire	2C X 10	XLPE		Roll
1101 (3)	b4	Electric Wire	2C X 25	XLPE		Roll
1101 (3)	b5	Electric Wire	2C X 35	XLPE		Roll
1101 (3)	b6	Electric Wire	2C X 50	XLPE		Roll
1101 (3)	b7	Electric Wire	2C X 70	XLPE		Roll
1101 (3)	b8	Electric Wire	2C X 95	XLPE		Roll
1101 (3)	b9	Electric Wire	2C X 120	XLPE		Roll
1101 (3)	b10	Electric Wire	2C X 185	XLPE		Roll
1101 (3)	b11	Electric Wire	2C X 240	XLPE		Roll
1101 (3)	b12	Electric Wire	2C X 300	XLPE		Roll
1101 (3)	b13	Electric Wire	2C X 400	XLPE		Roll
1101 (3)	b14	Electric Wire	2C X 500	XLPE		Roll
1101 (3)	c1	Electric Wire	3C X 4	XLPE		Roll
1101 (3)	c2	Electric Wire	3C X 6	XLPE		Roll
1101 (3)	c3	Electric Wire	3C X 10	XLPE		Roll
1101 (3)	c4	Electric Wire	3C X 25	XLPE		Roll
1101 (3)	c5	Electric Wire	3C X 35	XLPE		Roll
1101 (3)	c6	Electric Wire	3C X 50	XLPE		Roll
1101 (3)	c7	Electric Wire	3C X 70	XLPE		Roll
1101 (3)	c8	Electric Wire	3C X 95	XLPE		Roll
1101 (3)	c9	Electric Wire	3C X 120	XLPE		Roll
1101 (3)	c10	Electric Wire	3C X 185	XLPE		Roll
1101 (3)	c11	Electric Wire	3C X 240	XLPE		Roll
1101 (3)	c12	Electric Wire	3C X 300	XLPE		Roll
1101 (3)	c13	Electric Wire	3C X 400	XLPE		Roll
1101 (3)	c14	Electric Wire	3C X 500	XLPE		Roll
1101 (4)	a1	Electric Wire	1C X 4	XLPE		Meter
1101 (4)	a2	Electric Wire	1C X 6	XLPE		Meter
1101 (4)	a3	Electric Wire	1C X 10	XLPE		Meter
1101 (4)	a4	Electric Wire	1C X 25	XLPE		Meter
1101 (4)	a5	Electric Wire	1C X 35	XLPE		Meter
1101 (4)	a6	Electric Wire	1C X 50	XLPE		Meter

1101 (4)	a7	Electric Wire	1C X 70	XLPE		Meter
1101 (4)	a8	Electric Wire	1C X 95	XLPE		Meter
1101 (4)	a9	Electric Wire	1C X 120	XLPE		Meter
1101 (4)	a10	Electric Wire	1C X 185	XLPE		Meter
1101 (4)	a11	Electric Wire	1C X 240	XLPE		Meter
1101 (4)	a12	Electric Wire	1C X 300	XLPE		Meter
1101 (4)	a13	Electric Wire	1C X 400	XLPE		Meter
1101 (4)	a14	Electric Wire	1C X 500	XLPE		Meter
1101 (4)	b1	Electric Wire	2C X 4	XLPE		Meter
1101 (4)	b2	Electric Wire	2C X 6	XLPE		Meter
1101 (4)	b3	Electric Wire	2C X 10	XLPE		Meter
1101 (4)	b4	Electric Wire	2C X 25	XLPE		Meter
1101 (4)	b5	Electric Wire	2C X 35	XLPE		Meter
1101 (4)	b6	Electric Wire	2C X 50	XLPE		Meter
1101 (4)	b7	Electric Wire	2C X 70	XLPE		Meter
1101 (4)	b8	Electric Wire	2C X 95	XLPE		Meter
1101 (4)	b9	Electric Wire	2C X 120	XLPE		Meter
1101 (4)	b10	Electric Wire	2C X 185	XLPE		Meter
1101 (4)	b11	Electric Wire	2C X 240	XLPE		Meter
1101 (4)	b12	Electric Wire	2C X 300	XLPE		Meter
1101 (4)	b13	Electric Wire	2C X 400	XLPE		Meter
1101 (4)	b14	Electric Wire	2C X 500	XLPE		Meter
1101 (4)	c1	Electric Wire	3C X 4	XLPE		Meter
1101 (4)	c2	Electric Wire	3C X 6	XLPE		Meter
1101 (4)	c3	Electric Wire	3C X 10	XLPE		Meter
1101 (4)	c4	Electric Wire	3C X 25	XLPE		Meter
1101 (4)	c5	Electric Wire	3C X 35	XLPE		Meter
1101 (4)	c6	Electric Wire	3C X 50	XLPE		Meter
1101 (4)	c7	Electric Wire	3C X 70	XLPE		Meter
1101 (4)	c8	Electric Wire	3C X 95	XLPE		Meter
1101 (4)	c9	Electric Wire	3C X 120	XLPE		Meter
1101 (4)	c10	Electric Wire	3C X 185	XLPE		Meter
1101 (4)	c11	Electric Wire	3C X 240	XLPE		Meter
1101 (4)	c12	Electric Wire	3C X 300	XLPE		Meter
1101 (4)	c13	Electric Wire	3C X 400	XLPE		Meter
1101 (4)	c14	Electric Wire	3C X 500	XLPE		Meter
1101 (5)		ACSR Wire/Cable				Roll
1101 (6)		ACSR Wire/Cable				Meter
1101 (7)	a1	Bare Copper Wire	2.0 mm ²			Meter
1101 (7)	a2	Bare Copper Wire	3.5 mm ²			Meter

1101 (7)	a3	Bare Copper Wire	5.5 mm ²			Meter
1101 (7)	a4	Bare Copper Wire	8.0 mm ²			Meter
1101 (7)	a5	Bare Copper Wire	14 mm ²			Meter
1101 (7)	a6	Bare Copper Wire	22 mm ²			Meter
1101 (7)	a7	Bare Copper Wire	30 mm ²			Meter
1101 (7)	a8	Bare Copper Wire	38 mm ²			Meter
1101 (7)	a9	Bare Copper Wire	50 mm ²			Meter
1101 (7)	a10	Bare Copper Wire	60 mm ²			Meter
1101 (7)	a11	Bare Copper Wire	80 mm ²			Meter
1101 (7)	a12	Bare Copper Wire	100 mm ²			Meter
1101 (7)	a13	Bare Copper Wire	125 mm ²			Meter
1101 (7)	a14	Bare Copper Wire	200 mm ²			Meter
1101 (7)	a15	Bare Copper Wire	250 mm ²			Meter
1101 (7)	a16	Bare Copper Wire	400 mm ²			Meter
1101 (8)		Single Pole Wall Switch on one switch plate				Set
1101 (9)		Duplex (2 Single Pole Wall Switches on one switch plate)				Set
1101 (10)		Triplex (3 Single Pole Wall Switches on one switch plate)				Set
1101 (11)		Three-way Switch				Set
1101 (12)		Four-way Switch				Set
1101 (13)		Double Pole Switch				Set
1101 (14)		Three Pole Switch				Set
1101 (15)		Dimmer Switch				Set
1101 (16)		Master Selector Switch				Set
1101 (17)		Automatic Door Switch				Set
1101 (18)		Switch Bank				Set
1101 (19)	a	Passive Infra-Red (Presence) Detector/Switch			Surface Mounted	Set
1101 (19)	b	Passive Infra-Red (Presence) Detector/Switch			Recessed	Set
1101 (20)		Single Convenience Outlet/Receptacle, Grounding Type (GT)				Set
1101 (21)		Duplex Convenience Outlets/Receptacles (GT)				Set
1101 (22)		Heavy Duty Convenience Outlet/Receptacles (GT)				Set
1101 (23)		Weatherproof Single Convenience Outlet/Receptacle (GT)				Set
1101 (24)		Weatherproof Duplex Convenience Outlet/Receptacle (GT)				Set

1101 (25)		Special Purpose Outlet/Receptacle, (GT) for ACU, WH, etc.				Set
1101 (26)		Pop-up type/Floor Single Convenience Outlet/Receptacle (GT)				Set
1101 (27)		Pop-up type/Floor Duplex Convenience Outlet/Receptacle (GT)				Set
1101 (28)		Pop-up type/Floor Triplex Convenience Outlet/Receptacle (GT)				Set
1101 (29)		Explosion Proof type Single Convenience Outlet/Receptacle (GT)				Set
1101 (30)		Explosion Proof type Duplex Convenience Outlet/Receptacle (GT)				Set
1101 (31)		Single Convenience Outlet with Ground Fault Circuit Interrupter (GFCI)				Set
1101 (32)		Duplex Convenience Outlet with GFCI				Set
1101 (33)	a1	Grounding Clamps for Electric Wires	8.0 mm ²			Piece
1101 (33)	a2	Grounding Clamps for Electric Wires	14 mm ²			Piece
1101 (33)	a3	Grounding Clamps for Electric Wires	22 mm ²			Piece
1101 (33)	a4	Grounding Clamps for Electric Wires	30 mm ²			Piece
1101 (33)	a5	Grounding Clamps for Electric Wires	38 mm ²			Piece
1101 (33)	a6	Grounding Clamps for Electric Wires	50 mm ²			Piece
1101 (33)	a7	Grounding Clamps for Electric Wires	60 mm ²			Piece
1101 (33)	a8	Grounding Clamps for Electric Wires	80 mm ²			Piece
1101 (33)	a9	Grounding Clamps for Electric Wires	100 mm ²			Piece
1101 (33)	a10	Grounding Clamps for Electric Wires	125 mm ²			Piece
1101 (33)	a11	Grounding Clamps for Electric Wires	200 mm ²			Piece
1101 (33)	a12	Grounding Clamps for Electric Wires	250 mm ²			Piece
1101 (33)	a13	Grounding Clamps for Electric Wires	400 mm ²			Piece
1101 (34)		PVC Tape	19 mm dia x 18 mm			Roll
1101 (35)		Rubber Tape/ Friction Tape	19 mm dia x 227 g			Roll
1101 (36)	a1	Mica Tubing	6.35mm (1/4")			Meter
1101 (36)	a2	Mica Tubing	12.7mm (1/2")			Meter
1101 (36)	a3	Mica Tubing	19.0mm (3/4")			Meter
1101 (36)	a4	Mica Tubing	25.40mm (1")			Meter
1101 (37)		Messenger Wire				Meter
1101 (38)		Guy Wire				Meter
1101 (39)		Vibrating Bell				Set
1101 (40)		Push button				Set

1101 (41)		Buzzer				Set
1101 (42)		Wires and Wiring Devices				Lump Sum

ITEM 1102 – POWER LOAD CENTER, SWITCHGEAR AND PANELBOARDS

Pay Item (Number)	Suffix (Subscript)		Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1102 (1)	a1	Panelboard with Main & Branch Breakers	Plug-in Type	NEMA 1	Flushed Type	Set
1102 (1)	a2	Panelboard with Main & Branch Breakers	Plug-in Type	NEMA 1	Surface Type	Set
1102 (1)	a3	Panelboard with Main & Branch Breakers	Plug-in Type	NEMA 1	Free-Standing	Set
1102 (1)	a4	Panelboard with Main & Branch Breakers	Plug-in Type	NEMA 3R or NEMA 4X	Flushed Type	Set
1102 (1)	a5	Panelboard with Main & Branch Breakers	Plug-in Type	NEMA 3R or NEMA 4X	Surface Type	Set
1102 (1)	a6	Panelboard with Main & Branch Breakers	Plug-in Type	NEMA 3R or NEMA 4X	Free-Standing	Set
1102 (1)	b1	Panelboard with Main & Branch Breakers	Bolt-on Type	NEMA 1	Flushed Type	Set
1102 (1)	b2	Panelboard with Main & Branch Breakers	Bolt-on Type	NEMA 1	Surface Type	Set
1102 (1)	b3	Panelboard with Main & Branch Breakers	Bolt-on Type	NEMA 1	Free-Standing	Set
1102 (1)	b4	Panelboard with Main & Branch Breakers	Bolt-on Type	NEMA 3R or NEMA 4X	Flushed Type	Set
1102 (1)	b5	Panelboard with Main & Branch Breakers	Bolt-on Type	NEMA 3R or NEMA 4X	Surface Type	Set
1102 (1)	b6	Panelboard with Main & Branch Breakers	Bolt-on Type	NEMA 3R or NEMA 4X	Free-Standing	Set
1102 (2)	a1	Panelboard with Main Lugs & Branch Breakers	Plug-in Type	NEMA 1 Enclosure	Flushed Type	Set
1102 (2)	a2	Panelboard with Main Lugs & Branch Breakers	Plug-in Type	NEMA 1 Enclosure	Surface Type	Set
1102 (2)	a3	Panelboard with Main Lugs & Branch Breakers	Plug-in Type	NEMA 1 Enclosure	Free-Standing	Set
1102 (2)	a4	Panelboard with Main Lugs & Branch Breakers	Plug-in Type	NEMA 3R or NEMA 4X	Flushed Type	Set
1102 (2)	a5	Panelboard with Main Lugs & Branch Breakers	Plug-in Type	NEMA 3R or NEMA 4X	Surface Type	Set
1102 (2)	a6	Panelboard with Main Lugs & Branch Breakers	Plug-in Type	NEMA 3R or NEMA 4X	Free-Standing	Set
1102 (2)	b1	Panelboard with Main Lugs & Branch Breakers	Bolt-on Type	NEMA 1	Flushed Type	Set
1102 (2)	b2	Panelboard with Main Lugs & Branch Breakers	Bolt-on Type	NEMA 1	Surface Type	Set
1102 (2)	b3	Panelboard with Main Lugs & Branch Breakers	Bolt-on Type	NEMA 1	Free-Standing	Set

1102 (2)	b4	Panelboard with Main Lugs & Branch Breakers	Bolt-on Type	NEMA 3R or NEMA 4X	Flushed Type	Set
1102 (2)	b5	Panelboard with Main Lugs & Branch Breakers	Bolt-on Type	NEMA 3R or NEMA 4X	Surface Type	Set
1102 (2)	b6	Panelboard with Main Lugs & Branch Breakers	Bolt-on Type	NEMA 3R or NEMA 4X	Free-Standing	Set
1102 (3)	a1	Safety Switch, Fusible Type		NEMA 1 Enclosure	Surface Type	Set
1102 (3)	a2	Safety Switch, Fusible Type		NEMA 3R or NEMA 4X	Surface Type	Set
1102 (4)	a1	Safety Switch, Non-Fusible Type		NEMA 1	Surface Type	Set
1102 (4)	a2	Safety Switch, Non-Fusible Type		NEMA 3R or NEMA 4X	Surface Type	Set
1102 (5)	a1	Fuse Cut-out Box		NEMA 1	Flushed Type	Set
1102 (5)	a2	Fuse Cut-out Box		NEMA 1	Surface Type	Set
1102 (5)	a3	Fuse Cut-out Box		NEMA 3R or NEMA 4X	Flushed Type	Set
1102 (5)	a4	Fuse Cut-out Box		NEMA 3R or NEMA 4X	Surface Type	Set
1102 (6)	a1	Main Enclosed Automatic Circuit Breaker		NEMA 1 Enclosure	Flushed Type	Set
1102 (6)	a2	Main Enclosed Automatic Circuit Breaker		NEMA 1 Enclosure	Surface Type	Set
1102 (6)	a3	Main Enclosed Automatic Circuit Breaker		NEMA 1 Enclosure	Free-Standing	Set
1102 (6)	a4	Main Enclosed Automatic Circuit Breaker		NEMA 3R or NEMA 4X	Flushed Type	Set
1102 (6)	a5	Main Enclosed Automatic Circuit Breaker		NEMA 3R or NEMA 4X	Surface Type	Set
1102 (6)	a6	Main Enclosed Automatic Circuit Breaker		NEMA 3R or NEMA 4X	Free-Standing	Set
1102 (7)	b1	Enclosed Automatic Circuit Breaker		NEMA 1 Enclosure	Flushed Type	Set
1102 (7)	b2	Enclosed Automatic Circuit Breaker		NEMA 1 Enclosure	Surface Type	Set
1102 (7)	b3	Enclosed Automatic Circuit Breaker		NEMA 3R or NEMA 4X	Flushed Type	Set
1102 (7)	b4	Enclosed Automatic Circuit Breaker		NEMA 3R or NEMA 4X	Surface Type	Set

1102 (8)	a1	Motor Control Center with Main, Branch Breakers and Motor Starters/controllers		NEMA 1	Flushed Type	Set
1102 (8)	a2	Motor Control Center with Main, Branch Breakers and Motor Starters/controllers		NEMA 1	Surface Type	Set
1102 (8)	a3	Motor Control Center with Main, Branch Breakers and Motor Starters/controllers		NEMA 1	Free-Standing	Set
1102 (8)	a4	Motor Control Center with Main, Branch Breakers and Motor Starters/controllers		NEMA 3R or NEMA 4X	Flushed Type	Set
1102 (8)	a5	Motor Control Center with Main, Branch Breakers and Motor Starters/controllers		NEMA 3R or NEMA 4X	Surface Type	Set
1102 (8)	a6	Motor Control Center with Main, Branch Breakers and Motor Starters/controllers		NEMA 3R or NEMA 4X	Free-Standing	Set
1102 (9)		Copper Bus Bar NEMA I Enclosure			Surface Mounted	Set
1102 (10)	a	Pad Mounted Transformer (OISC)			Free Standing	Set
1102 (10)	b	Pole Mounted Transformer (OISC)			Pole type	Set
1102 (11)		Dry Type Transformer				Set
1102 (12)	a	Generator			Stand-by	Set
1102 (12)	b	Generator			Continuous	Set
1102 (13)	b1	High Voltage Switch Gear without metering facilities			Free Standing	Set
1102 (14)	b2	Low Voltage Switch Gear without metering facilities			Free Standing	Set
1102 (15)	c	Synchronizing Panel for Generator			Free Standing	Set
1102 (16)		Aluminum Copper Steel Reinforce (ACSR)				Meter
1102 (17)		Transformer bracket				Set
1102 (18)		Power fuse assembly				Set
1102 (19)		Lightning Arrester with fuse cut-off				Set
1102 (20)		Creosoted pole				Piece
1102 (21)		Concrete pole				Piece
1102 (22)		Pin type insulator				Piece
1102 (23)		Pole top pin				Piece
1102 (24)		Machine bolt				Piece
1102 (25)		Washer				Piece
1102 (26)		Kilowatt Meter with base				Set
1102 (27)		Power Load Center, Switchgear and Panelboards				Lump Sum
ITEM 1103 – LIGHTING FIXTURE						
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1103 (1)		Lighting Fixtures				Lump Sum

[illegible]

1103 (2)	a42	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Box Type	Surface Mounted	Set
1103 (2)	a43	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 36/38/40watts	Box Type	Surface Mounted	Set
1103 (2)	a44	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 36/38/40watts	Box Type	Surface Mounted	Set
1103 (2)	a45	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 36/38/40watts	Box Type	Recessed/Coved	Set
1103 (2)	a46	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Box Type	Recessed/Coved	Set
1103 (2)	a47	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 36/38/40watts	Box Type	Recessed/Coved	Set
1103 (2)	a48	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 36/38/40watts	Box Type	Recessed/Coved	Set
1103 (2)	b1	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 18/20watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b2	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 18/20watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b3	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 18/20watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b4	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 18/20watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b5	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 18/20watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b6	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 18/20watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b7	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 18/20watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b8	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 18/20watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b9	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 18/20watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b10	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 18/20watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set

1103 (2)	b11	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 18/20watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b12	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 18/20watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b13	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 18/20watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b14	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 18/20watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b15	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 18/20watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b16	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 18/20watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b17	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 26watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b18	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 26watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b19	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 26watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b20	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 26watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b21	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 26watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b22	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 26watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b23	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 26watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b24	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 26watts	Acrylic Prismatic Diffuser	Recessed	Set

1103 (2)	b25	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 26watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b26	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 26watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b27	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 26watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b28	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 26watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b29	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 26watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b30	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 26watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b31	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 26watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b32	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 26watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b33	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 36/38/40watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b34	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 36/38/40watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b35	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 36/38/40watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b36	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 36/38/40watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set

1103 (2)	b37	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 36/38/40watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b38	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 36/38/40watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b39	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 36/38/40watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b40	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 36/38/40watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b41	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 36/38/40watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b42	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b43	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 36/38/40watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b44	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 36/38/40watts	Acrylic / Prismatic / Polycarbonate Diffuser	Surface Mounted	Set
1103 (2)	b45	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 36/38/40watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b46	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b47	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 36/38/40watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	b48	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 36/38/40watts	Acrylic Prismatic Diffuser	Recessed	Set
1103 (2)	c1	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set
1103 (2)	c2	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set

1103 (2)	c3	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c4	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c5	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c6	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (2)	c7	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (2)	c8	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c9	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c10	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c11	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set
1103 (2)	c12	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set

1103 (2)	c13	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c14	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c15	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c16	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (2)	c17	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (2)	c18	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c19	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c20	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 18/20watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c21	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set
1103 (2)	c22	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set

1103 (2)	c23	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c24	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c25	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c26	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (2)	c27	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (2)	c28	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c29	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c30	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c31	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set
1103 (2)	c32	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set

1103 (2)	c33	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c34	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c35	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (2)	c36	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (2)	c37	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (2)	c38	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c39	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c40	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 26watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (2)	c41	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Surface Mounted	Set
1103 (2)	c42	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Surface Mounted	Set

1103 (2)	c43	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (2)	c44	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (2)	c45	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (2)	c46	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Recessed	Set
1103 (2)	c47	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Recessed	Set
1103 (2)	c48	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (2)	c49	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (2)	c50	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (2)	c51	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Surface Mounted	Set
1103 (2)	c52	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Surface Mounted	Set

1103 (2)	c53	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (2)	c54	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (2)	c55	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (2)	c56	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Recessed	Set
1103 (2)	c57	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Recessed	Set
1103 (2)	c58	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (2)	c59	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (2)	c60	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 36/38/40watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (2)	d1	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 18/20watts	Industrial Type	Surface Mounted	Set
1103 (2)	d2	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 18/20watts	Industrial Type	Surface Mounted	Set
1103 (2)	d3	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 18/20watts	Industrial Type	Surface Mounted	Set
1103 (2)	d4	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 18/20watts	Industrial Type	Surface Mounted	Set
1103 (2)	d5	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 18/20watts	Industrial Type	Surface Mounted	Set
1103 (2)	d6	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 18/20watts	Industrial Type	Surface Mounted	Set
1103 (2)	d7	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 18/20watts	Industrial Type	Surface Mounted	Set
1103 (2)	d8	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 18/20watts	Industrial Type	Surface Mounted	Set
1103 (2)	d9	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 26watts	Industrial Type	Surface Mounted	Set

1103 (2)	d10	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 26watts	Industrial Type	Surface Mounted	Set
1103 (2)	d11	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 26watts	Industrial Type	Surface Mounted	Set
1103 (2)	d12	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 26watts	Industrial Type	Surface Mounted	Set
1103 (2)	d13	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 26watts	Industrial Type	Surface Mounted	Set
1103 (2)	d14	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 26watts	Industrial Type	Surface Mounted	Set
1103 (2)	d15	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 26watts	Industrial Type	Surface Mounted	Set
1103 (2)	d16	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 26watts	Industrial Type	Surface Mounted	Set
1103 (2)	d17	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	1 - 36/38/40watts	Industrial Type	Surface Mounted	Set
1103 (2)	d18	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	2 - 36/38/40watts	Industrial Type	Surface Mounted	Set
1103 (2)	d19	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	3 - 36/38/40watts	Industrial Type	Surface Mounted	Set
1103 (2)	d20	Fluorescent Lighting Fixture w/HPF-NCPF Ballast	4 - 36/38/40watts	Industrial Type	Surface Mounted	Set
1103 (2)	d21	Fluorescent Lighting Fixture w/Electronic Ballast	1 - 36/38/40watts	Industrial Type	Surface Mounted	Set
1103 (2)	d22	Fluorescent Lighting Fixture w/Electronic Ballast	2 - 36/38/40watts	Industrial Type	Surface Mounted	Set
1103 (2)	d23	Fluorescent Lighting Fixture w/Electronic Ballast	3 - 36/38/40watts	Industrial Type	Surface Mounted	Set
1103 (2)	d24	Fluorescent Lighting Fixture w/Electronic Ballast	4 - 36/38/40watts	Industrial Type	Surface Mounted	Set
1103 (3)	a1	Compact Fluorescent Lighting Fixture	11watts	Louvre / Prismatic Diffuser	Surface Mounted	Set
1103 (3)	a2	Compact Fluorescent Lighting Fixture	13watts	Louvre / Prismatic Diffuser	Surface Mounted	Set
1103 (3)	a3	Compact Fluorescent Lighting Fixture	16watts	Louvre / Prismatic Diffuser	Surface Mounted	Set
1103 (3)	a4	Compact Fluorescent Lighting Fixture	18watts	Louvre / Prismatic Diffuser	Surface Mounted	Set
1103 (3)	a5	Compact Fluorescent Lighting Fixture	21watts	Louvre / Prismatic Diffuser	Surface Mounted	Set
1103 (3)	a6	Compact Fluorescent Lighting Fixture	28watts	Louvre / Prismatic Diffuser	Surface Mounted	Set
1103 (3)	a7	Compact Fluorescent Lighting Fixture	38watts	Louvre / Prismatic Diffuser	Surface Mounted	Set
1103 (3)	a8	Compact Fluorescent Lighting Fixture	11watts	Louvre / Prismatic Diffuser	Recessed	Set

1103 (3)	a9	Compact Fluorescent Lighting Fixture	13watts	Louvre / Prismatic Diffuser	Recessed	Set
1103 (3)	a10	Compact Fluorescent Lighting Fixture	16watts	Louvre / Prismatic Diffuser	Recessed	Set
1103 (3)	a11	Compact Fluorescent Lighting Fixture	18watts	Louvre / Prismatic Diffuser	Recessed	Set
1103 (3)	a12	Compact Fluorescent Lighting Fixture	21watts	Louvre / Prismatic Diffuser	Recessed	Set
1103 (3)	a13	Compact Fluorescent Lighting Fixture	28watts	Louvre / Prismatic Diffuser	Recessed	Set
1103 (3)	a14	Compact Fluorescent Lighting Fixture	38watts	Louvre / Prismatic Diffuser	Recessed	Set
1103 (4)	a1	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	7watts		Surface Mounted	Set
1103 (4)	a2	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	9watts		Surface Mounted	Set
1103 (4)	a3	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	10watts		Surface Mounted	Set
1103 (4)	a4	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	11watts		Surface Mounted	Set
1103 (4)	a5	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	13watts		Surface Mounted	Set
1103 (4)	a6	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	16watts		Surface Mounted	Set
1103 (4)	a7	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	18watts		Surface Mounted	Set
1103 (4)	a8	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	21watts		Surface Mounted	Set
1103 (4)	a9	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	24watts		Surface Mounted	Set
1103 (4)	a10	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	26watts		Surface Mounted	Set
1103 (4)	a11	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	28watts		Surface Mounted	Set

1103 (4)	a12	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	34watts		Surface Mounted	Set
1103 (4)	a13	Compact Fluorescent Lamp (CFL) w/Medium Base, Keyless type, Porcelain Receptacle Outlet	38watts		Surface Mounted	Set
1103 (5)	a1	Down Light / Pinlight Fixture w/CFL (152mmØ (6"))	7watts to 16watts		Surface Mounted	Set
1103 (5)	a2	Down Light / Pinlight Fixture w/CFL (152mmØ (6"))	7watts to 16watts	w/glass cover	Surface Mounted	Set
1103 (5)	a3	Down Light / Pinlight Fixture w/CFL (152mmØ (6"))	7watts to 16watts		Recessed	Set
1103 (5)	a4	Down Light / Pinlight Fixture w/CFL (152mmØ (6"))	7watts to 16watts	w/glass cover	Recessed	Set
1103 (5)	b1	Down Light / Pinlight Fixture w/CFL (203mmØ (8"))	18watts to 21watts		Surface Mounted	Set
1103 (5)	b2	Down Light / Pinlight Fixture w/CFL (203mmØ (8"))	18watts to 21watts	w/glass cover	Surface Mounted	Set
1103 (5)	b3	Down Light / Pinlight Fixture w/CFL (203mmØ (8"))	18watts to 21watts		Recessed	Set
1103 (5)	b4	Down Light / Pinlight Fixture w/CFL (203mmØ (8"))	18watts to 21watts	w/glass cover	Recessed	Set
1103 (5)	c1	Down Light / Pinlight Fixture w/CFL (255mmØ (10"))	1 - 18watts		Recessed	Set
1103 (5)	c2	Down Light / Pinlight Fixture w/CFL (255mmØ (10"))	2 - 13watts		Recessed	Set
1103 (5)	c3	Down Light / Pinlight Fixture w/CFL (255mmØ (10"))	2 - 18watts		Recessed	Set
1103 (5)	d1	Down Light / Pinlight Fixture w/CFL (152mm (6") square)	7watts to 16watts		Surface Mounted	Set
1103 (5)	d2	Down Light / Pinlight Fixture w/CFL (152mm (6") square)	7watts to 16watts	w/glass cover	Surface Mounted	Set
1103 (5)	d3	Down Light / Pinlight Fixture w/CFL (152mm (6") square)	7watts to 16watts		Recessed	Set
1103 (5)	d4	Down Light / Pinlight Fixture w/CFL (152mm (6") square)	7watts to 16watts	w/glass cover	Recessed	Set
1103 (6)	a1	Light Emitting Diode (LED) Tube lighting Fixture	1 - 8watts	Box Type	Surface Mounted	Set
1103 (6)	a2	LED Tube Lighting Fixture	2 - 8watts	Box Type	Surface Mounted	Set
1103 (6)	a3	LED Tube Lighting Fixture	3 - 8watts	Box Type	Surface Mounted	Set
1103 (6)	a4	LED Tube Lighting Fixture	4 - 8watts	Box Type	Surface Mounted	Set
1103 (6)	a5	LED Tube Lighting Fixture	1 - 8watts	Box Type	Recessed /Coved	Set
1103 (6)	a6	LED Tube Lighting Fixture	2 - 8watts	Box Type	Recessed /Coved	Set

1103 (6)	a7	LED Tube Lighting Fixture	3 - 8watts	Box Type	Recessed /Coved	Set
1103 (6)	a8	LED Tube Lighting Fixture	4 - 8watts	Box Type	Recessed /Coved	Set
1103 (6)	a9	LED Tube Lighting Fixture	1 - 12watts	Box Type	Surface Mounted	Set
1103 (6)	a10	LED Tube Lighting Fixture	2 - 12watts	Box Type	Surface Mounted	Set
1103 (6)	a11	LED Tube Lighting Fixture	3 - 12watts	Box Type	Surface Mounted	Set
1103 (6)	a12	LED Tube Lighting Fixture	4 - 12watts	Box Type	Surface Mounted	Set
1103 (6)	a13	LED Tube Lighting Fixture	1 - 12watts	Box Type	Recessed /Coved	Set
1103 (6)	a14	LED Tube Lighting Fixture	2 - 12watts	Box Type	Recessed /Coved	Set
1103 (6)	a15	LED Tube Lighting Fixture	3 - 12watts	Box Type	Recessed /Coved	Set
1103 (6)	a16	LED Tube Lighting Fixture	4 - 12watts	Box Type	Recessed /Coved	Set
1103 (6)	a17	LED Tube Lighting Fixture	1 - 16watts	Box Type	Surface Mounted	Set
1103 (6)	a18	LED Tube Lighting Fixture	2 - 16watts	Box Type	Surface Mounted	Set
1103 (6)	a19	LED Tube Lighting Fixture	3 - 16watts	Box Type	Surface Mounted	Set
1103 (6)	a20	LED Tube Lighting Fixture	4 - 16watts	Box Type	Surface Mounted	Set
1103 (6)	a21	LED Tube Lighting Fixture	1 - 16watts	Box Type	Recessed /Coved	Set
1103 (6)	a22	LED Tube Lighting Fixture	2 - 16watts	Box Type	Recessed /Coved	Set
1103 (6)	a23	LED Tube Lighting Fixture	3 - 16watts	Box Type	Recessed /Coved	Set
1103 (6)	a24	LED Tube Lighting Fixture	4 - 16watts	Box Type	Recessed /Coved	Set
1103 (6)	b1	LED Tube Lighting Fixture	1 - 8watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b2	LED Tube Lighting Fixture	2 - 8watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b3	LED Tube Lighting Fixture	3 - 8watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b4	LED Tube Lighting Fixture	4 - 8watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b5	LED Tube Lighting Fixture	1 - 8watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b6	LED Tube Lighting Fixture	2 - 8watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b7	LED Tube Lighting Fixture	3 - 8watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b8	LED Tube Lighting Fixture	4 - 8watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b9	LED Tube Lighting Fixture	1 - 12watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b10	LED Tube Lighting Fixture	2 - 12watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b11	LED Tube Lighting Fixture	3 - 12watts	w/Prismatic Diffuser	Surface Mounted	Set

1103 (6)	b12	LED Tube Lighting Fixture	4 - 12watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b13	LED Tube Lighting Fixture	1 - 12watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b14	LED Tube Lighting Fixture	2 - 12watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b15	LED Tube Lighting Fixture	3 - 12watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b16	LED Tube Lighting Fixture	4 - 12watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b17	LED Tube Lighting Fixture	1 - 16watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b18	LED Tube Lighting Fixture	2 - 16watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b19	LED Tube Lighting Fixture	3 - 16watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b20	LED Tube Lighting Fixture	4 - 16watts	w/Prismatic Diffuser	Surface Mounted	Set
1103 (6)	b21	LED Tube Lighting Fixture	1 - 16watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b22	LED Tube Lighting Fixture	2 - 16watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b23	LED Tube Lighting Fixture	3 - 16watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	b24	LED Tube Lighting Fixture	4 - 16watts	w/Prismatic Diffuser	Recessed /Coved	Set
1103 (6)	c1	LED Tube Lighting Fixture	1 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set
1103 (6)	c2	LED Tube Lighting Fixture	2 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Surface Mounted	Set
1103 (6)	c3	LED Tube Lighting Fixture	2 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set

1103 (6)	c4	LED Tube Lighting Fixture	3 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (6)	c5	LED Tube Lighting Fixture	4 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Surface Mounted	Set
1103 (6)	c6	LED Tube Lighting Fixture	1 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (6)	c7	LED Tube Lighting Fixture	2 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 600mm Recessed	Set
1103 (6)	c8	LED Tube Lighting Fixture	2 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (6)	c9	LED Tube Lighting Fixture	3 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (6)	c10	LED Tube Lighting Fixture	4 - 8watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 600mm Recessed	Set
1103 (6)	c11	LED Tube Lighting Fixture	1 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Surface Mounted	Set
1103 (6)	c12	LED Tube Lighting Fixture	2 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Surface Mounted	Set
1103 (6)	c13	LED Tube Lighting Fixture	2 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set

1103 (6)	c14	LED Tube Lighting Fixture	3 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (6)	c15	LED Tube Lighting Fixture	4 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (6)	c16	LED Tube Lighting Fixture	1 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Recessed	Set
1103 (6)	c17	LED Tube Lighting Fixture	2 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Recessed	Set
1103 (6)	c18	LED Tube Lighting Fixture	2 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (6)	c19	LED Tube Lighting Fixture	3 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (6)	c20	LED Tube Lighting Fixture	4 - 12watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (6)	c21	LED Tube Lighting Fixture	1 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Surface Mounted	Set
1103 (6)	c22	LED Tube Lighting Fixture	2 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Surface Mounted	Set
1103 (6)	c23	LED Tube Lighting Fixture	2 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set

1103 (6)	c24	LED Tube Lighting Fixture	3 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (6)	c25	LED Tube Lighting Fixture	4 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Surface Mounted	Set
1103 (6)	c26	LED Tube Lighting Fixture	1 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Recessed	Set
1103 (6)	c27	LED Tube Lighting Fixture	2 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	300 x 1200mm Recessed	Set
1103 (6)	c28	LED Tube Lighting Fixture	2 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (6)	c29	LED Tube Lighting Fixture	3 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (6)	c30	LED Tube Lighting Fixture	4 - 16watts	Mirrorized Aluminum Louvre, Troffer Type	600 x 1200mm Recessed	Set
1103 (6)	d1	LED Tube Lighting Fixture	1 - 8watts	Industrial Type	Surface Mounted	Set
1103 (6)	d2	LED Tube Lighting Fixture	2 - 8watts	Industrial Type	Surface Mounted	Set
1103 (6)	d3	LED Tube Lighting Fixture	3 - 8watts	Industrial Type	Surface Mounted	Set
1103 (6)	d4	LED Tube Lighting Fixture	4 - 8watts	Industrial Type	Surface Mounted	Set
1103 (6)	d5	LED Tube Lighting Fixture	1 - 12watts	Industrial Type	Surface Mounted	Set
1103 (6)	d6	LED Tube Lighting Fixture	2 - 12watts	Industrial Type	Surface Mounted	Set
1103 (6)	d7	LED Tube Lighting Fixture	3 - 12watts	Industrial Type	Surface Mounted	Set
1103 (6)	d8	LED Tube Lighting Fixture	4 - 12watts	Industrial Type	Surface Mounted	Set
1103 (6)	d9	LED Tube Lighting Fixture	1 - 16watts	Industrial Type	Surface Mounted	Set
1103 (6)	d10	LED Tube Lighting Fixture	2 - 16watts	Industrial Type	Surface Mounted	Set
1103 (6)	d11	LED Tube Lighting Fixture	3 - 16watts	Industrial Type	Surface Mounted	Set
1103 (6)	d12	LED Tube Lighting Fixture	4 - 16watts	Industrial Type	Surface Mounted	Set

1103 (7)	a1	LED Bulb w/Medium Base, Keyless Type, Porcelain Receptacle Outlet	5.5watts	E27 Base	Surface Mounted	Set
1103 (7)	a2	LED Bulb w/Medium Base, Keyless Type, Porcelain Receptacle Outlet	7watts	E27 Base	Surface Mounted	Set
1103 (7)	a3	LED Bulb w/Medium Base, Keyless Type, Porcelain Receptacle Outlet	9watts	E27 Base	Surface Mounted	Set
1103 (7)	a4	LED Bulb w/Medium Base, Keyless Type, Porcelain Receptacle Outlet	10watts	E27 Base	Surface Mounted	Set
1103 (7)	a5	LED Bulb w/Medium Base, Keyless Type, Porcelain Receptacle Outlet	18watts	E27 Base	Surface Mounted	Set
1103 (8)	a1	Down Light / Pinlight Fixture w/LED (76.2mmØ (3"))	2watts to 4watts		Recessed	Set
1103 (8)	a2	Down Light / Pinlight Fixture w/LED (100mmØ (4"))	4watts to 5.5watts		Recessed	Set
1103 (8)	a3	Down Light / Pinlight Fixture w/LED (152mmØ (6"))	5.5watts to 9watts		Recessed	Set
1103 (8)	a4	Down Light / Pinlight Fixture w/LED (203mmØ (8"))	9watts to 12watts		Recessed	Set
1103 (8)	a5	Down Light / Pinlight Fixture w/LED (100mm (4") Square)	5.5watts		Recessed	Set
1103 (8)	a6	Down Light / Pinlight Fixture w/LED (152mm (6") Square)	9watts		Recessed	Set
1103 (8)	a7	Down Light / Pinlight Fixture w/LED (203mm (8") Square)	12watts		Recessed	Set
1103 (8)	a8	Down Light / Pinlight Fixture w/LED Bulb (152mmØ (6"))	5.5watts to 10watts		Recessed	Set
1103 (8)	a9	Down Light / Pinlight Fixture w/LED Bulb (152mmØ (6"))	5.5watts to 10watts	w/glass cover	Recessed	Set
1103 (8)	a10	Down Light / Pinlight Fixture w/LED Bulb (152mm (6") Square)	5.5watts to 10watts		Recessed	Set
1103 (8)	a11	Down Light / Pinlight Fixture w/LED Bulb (152mm (6") Square)	5.5watts to 10watts	w/glass cover	Recessed	Set
1103 (8)	a12	Down Light / Pinlight Fixture w/LED Bulb (203mm (8"))	12watts to 18watts		Recessed	Set
1103 (8)	a13	Down Light / Pinlight Fixture w/LED Bulb (203mm (8"))	12watts to 18watts	w/glass cover	Recessed	Set
1103 (9)	a1	Self contained Double Sided Exit Sign, Maintained 3hrs. duration w/ fluorescent lamp	8watts, T5	Polycarbonate prismatic	Recessed	Set
1103 (9)	a2	Self contained Single Sided Exit Sign, Maintained 3hrs. duration w/ fluorescent lamp	8watts, T5	Polycarbonate prismatic	wall mounted	Set

1103 (9)	a3	Self contained Emergency Lighting Pack, Non-Maintained 3hrs duration with Quartz Halogen Lamps	2 - 10watts		Wall Mounted	Set
1103 (9)	a4	Self contained Emergency Lighting Pack, Non-Maintained 3hrs duration with 2- LED Lamps	6watts, 230volts		Wall Mounted	Set
1103 (10)		Obstruction Lighting Fixture	70w/80watts HPS-E	Stainless Steel Bracket Body and Ribbed borosilicate glass with wire retaining harness	Surface or Pole Mounted	Set
1103 (11)	a1	High Bay Aluminum Reflector, Dome Luminaire	250w, HPS /MH		Surface Mounted	Set
1103 (11)	a2	High Bay Aluminum Reflector, Dome Luminaire	400w, HPS /MH		Surface Mounted	Set
1103 (12)	a1	Die-Cast Aluminum Floodlight with electrocoat paint finish	250w, HPS /MH		Wall Mounted	Set
1103 (12)	a2	Die-Cast Aluminum Floodlight with electrocoat paint finish	400w, HPS /MH		Wall Mounted	Set
1103 (12)	a3	Die-Cast Aluminum Spot - Floodlight with electrocoat gray paint finish inside and out. Enclosed, gasketed, filtered optical with aluminum reflector and tempered glass closure	400w, HPS /MH		Wall Mounted	Set
1103 (13)		Wall Type Luminaire (Bracket Light) with acrylic polycarbonate globe diffuser complete with all accessories				Set
1103 (14)		Post Lamp with Bulb				Lump Sum
1103 (15)		Garden Lamp with Bulb				Lump Sum
1103 (16)		Flood Lamp with Bulb				Lump Sum

ITEM 1104 - AUXILLARY SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1104 (1)		Auxillary System				Lump Sum

ITEM 1105 - NETWORK CABLING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1105 (1)	a	Data Cabinet		Wall type		Set
1105 (1)	b	Data Cabinet		Free standing		Set
1105 (2)	a	Distribution Frame Panel		Sub		Set

1105 (2)	b	Distribution Frame Panel		Main		Set
1105 (3)		Terminal Block				Set
1105 (4)		UTP patch Panel				Set
1105 (5)		Fiber Management Panel				Set
1105 (6)		UTP CAT5 Cable				Roll
1105 (7)		UTP CAT6 Cable				Roll
1105 (8)		Fiber Optic Cable				Roll
1105 (9)		Fiber Connector				Set
1105 (10)		Fiber Fusion Splicer				Set
1105 (11)		Patch Cord CAT5				Set
1105 (12)		Patch Cord CAT6				Set
1105 (13)		Fiber Patch Cord				Set
1105 (14)		Modular Jack				Set
1105 (15)	a1	Wall Plate Single				Set
1105 (15)	a2	Wall Plate 2 port				Set
1105 (15)	a3	Wall Plate 3 port				Set
1105 (16)	a1	Floor Mounted 2 port				Set
1105 (16)	a2	Floor Mounted 3 port				Set
1105 (17)		Network Equipment				Set
1105 (18)		Network Cabling				Lump Sum

ITEM 1106 - CCTV SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1106 (1)		CCTV System				Lump Sum
1106 (2)		IP - Fixed Dome Camera				Set
1106 (3)		IP - Pinhole Type Camera				Set
1106 (4)		Movable Camera				Set
1106 (5)		Weather Proof Camera				Set
1106 (6)		Data Video Recorder				Set
1106 (7)		Network Video Recorder				Set
1106 (8)		Centralized Power Supply with UPS				Set
1106 (9)		LCD, LED Monitor				Set
1106 (10)		CCTV Console				Set
1106 (11)		Server CCTV				Unit
1106 (12)		RG59 Coaxial Cable				Meter

ITEM 1107 - PUBLIC ADDRESS SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

1107 (1)		Public Address System				Lump Sum
1107 (2)		Management System Amplifier				Set
1107 (3)		Power Amplifier				Set
1107 (4)		Voice Announcement Board				Set
1107 (5)		Remote Microphone				Set
1107 (6)		Ceiling Speaker				Set
1107 (7)		Wall Mount Speaker				Set
1107 (8)		CD/DVD Player				Unit
1107 (9)		AM/FM Tuner				Unit
1107 (10)		Fabricated Rack				Set
1107 (11)		Booster Transformer				Set

ITEM 1108 - DOOR ACCESS AND CARD READER SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1108 (1)		Door Access and Card Reader System				Lump Sum
1108 (2)		Security Cabinet				Unit
1108 (3)		Magnetic Card				Piece
1108 (4)		Magnetic Door Contact				Set

ITEM 1109 - GROUNDING SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1109 (1)		Grounding System				Lump Sum
1109 (2)		Exothermic Weld Connector				Piece
1109 (3)		Cadweld connector				Piece
1109 (4)		Air Terminal				Set
1109 (5)		MD BCW				Meter

ITEM 1110 - NURSE CALL SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1110 (1)		Nurse Call System				Lump Sum
1110 (2)		Area Control Unit				Set
1110 (3)		Nurse Call Console				Set
1110 (4)		Bed Station				Set
1110 (5)		Corridor Light				Set

PART E - MECHANICAL**ITEM 1200 – AIR CONDITIONING AND VENTILATING SYSTEM**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1200 (1)		Variable Refrigerant Flow (VRF) inverter type				Set
1200 (2)	a1	Fan Coil Unit (FCU)				Set
1200 (2)	a2	Fan Coil Unit (FCU)			wall mounted type	Set
1200 (2)	a3	Fan Coil Unit (FCU)			ceiling mounted	Set
1200 (2)	a4	Fan Coil Unit (FCU)			floor standing type	Set
1200 (2)	a5	Fan Coil Unit (FCU)			ceiling cassette type	Set
1200 (2)	a6	Fan Coil Unit (FCU)			duct type	Set
1200 (3)	a1	Air Cooled Condensing Unit (ACCU)				Set
1200 (3)	a2	Air Cooled Condensing Unit (ACCU)			Modular Type, 8HP	Set
1200 (3)	a3	Air Cooled Condensing Unit (ACCU)			Modular Type, 10HP	Set
1200 (3)	a4	Air Cooled Condensing Unit (ACCU)			Modular Type, 12HP	Set
1200 (3)	a5	Air Cooled Condensing Unit (ACCU)			Modular Type, 14HP	Set
1200 (3)	a6	Air Cooled Condensing Unit (ACCU)			Modular Type, 16HP	Set
1200 (4)	a1	Package type Airconditioning unit PACU				Set
1200 (4)	a2	Package type Airconditioning unit PACU			wall mounted	Set
1200 (4)	a3	Package type Airconditioning unit PACU			floor standing type	Set
1200 (4)	a4	Package type Airconditioning unit PACU			ceiling mounted	Set
1200 (4)	a5	Package type Airconditioning unit PACU			wall mounted inverter	Set
1200 (4)	a6	Package type Airconditioning unit PACU			standing type inverter	Set
1200 (4)	a7	Package type Airconditioning unit PACU			ceiling mounted inverter	Set
1200 (5)	a1	Window type airconditioning unit				Set
1200 (5)	a2	Window type airconditioning unit			non-inverter type	Set
1200 (5)	a3	Window type airconditioning unit			unit inverter type	Set
1200 (6)		Diffusers				Piece
1200 (7)	a1	Supply Ceiling Diffuser (SCD)	300mm x 300mm			Piece
1200 (7)	a2	Supply Ceiling Diffuser (SCD)	500mm x 500mm			Piece
1200 (8)	a1	Return Ceiling Diffuser (RCD)	300mm x 300mm			Piece
1200 (8)	a2	Return Ceiling Diffuser (RCD)	350mm x 350mm			Piece
1200 (9)	a1	Supply Linear Diffuser (SLD)	1600mm x 100mm			Piece
1200 (9)	a2	Supply Linear Diffuser (SLD)	900mm x 100mm			Piece
1200 (9)	a3	Supply Linear Diffuser (SLD)	600mm x 200mm			Piece
1200 (9)	a4	Supply Linear Diffuser (SLD)	350mm x 200mm			Piece
1200 (10)	a1	Return Linear Diffuser (RLD)	1350 x 100mm			Piece
1200 (10)	a2	Return Linear Diffuser (RLD)	900 x 100mm			Piece
1200 (10)	a3	Return Linear Diffuser (RLD)	600 x 200mm			Piece

1200 (10)	a4	Return Linear Diffuser (RLD)	750 x 100mm			Piece
1200 (10)	a5	Return Linear Diffuser (RLD)	500 x 200mm			Piece
1200 (10)	a6	Return Linear Diffuser (RLD)	200 x 175mm			Piece
1200 (11)	a1	Exhaust Air Grilles (EAG)				Piece
1200 (11)	a2	Exhaust Air Grilles (EAG)	450mm x 300mm			Piece
1200 (11)	a3	Exhaust Air Grilles (EAG)	400mm x 400mm			Piece
1200 (11)	a4	Exhaust Air Grilles (EAG)	350mm x 300mm			Piece
1200 (11)	a5	Exhaust Air Grilles (EAG)	300mm x 300mm			Piece
1200 (11)	a6	Exhaust Air Grilles (EAG)	300mm x 250mm			Piece
1200 (11)	a7	Exhaust Air Grilles (EAG)	300mm x 200mm			Piece
1200 (11)	a8	Exhaust Air Grilles (EAG)	250mm x 250mm			Piece
1200 (11)	a9	Exhaust Air Grilles (EAG)	250mm x 200mm			Piece
1200 (11)	a10	Exhaust Air Grilles (EAG)	200mm x 200mm			Piece
1200 (11)	a11	Exhaust Air Grilles (EAG)	200mm x 150mm			Piece
1200 (11)	a12	Exhaust Air Grilles (EAG)	150mm x 150mm			Piece
1200 (11)	a13	Exhaust Air Grilles (EAG)	150mm x 100mm			Piece
1200 (12)	a1	Fresh Air Grille				Piece
1200 (12)	a2	Fresh Air Grille	150mm x 100mm			Piece
1200 (12)	a3	Fresh Air Grille	100mm x 100mm			Piece
1200 (13)	a1	Backdraft Damper				Piece
1200 (13)	a2	Backdraft Damper	250mm x 250mm			Piece
1200 (13)	a3	Backdraft Damper	250mm x 200mm			Piece
1200 (13)	a4	Backdraft Damper	200mm x 200mm			Piece
1200 (13)	a5	Backdraft Damper	200mm x 150mm			Piece
1200 (13)	a6	Backdraft Damper	150mm x 150mm			Piece
1200 (13)	a7	Backdraft Damper	150mm x 100mm			Piece
1200 (14)		Ventilating Equipment				Lump Sum
1200 (15)	a	Oscillating			Stand Fan	Set
1200 (15)	b	Oscillating			Wall Fan	Set
1200 (15)	c	Oscillating			Ceiling Fan	Set
1200 (16)		Stand Fan, Industrial Type				Set
1200 (17)	a	Propeller			Wall Mounted Fan	Set
1200 (17)	b	Propeller			Ceiling Fan	Set
1200 (17)	c	Propeller			Tube Axial Roof Mounted	Set
1200 (18)	a	Exhaust fan			ceiling cassette	Set
1200 (18)	b	Exhaust fan			wall mounted	Set
1200 (18)	c	Exhaust fan			wall mounted, Industrial Type	Set
1200 (18)	d	Exhaust Fan			Tubular In Line	Set

1200 (19)		Supply fan, ceiling cassette				Set
1200 (20)		Centrifugal Cabinet in line Ducted type (CCI)				Set
1200 (21)		Centrifugal Backward Incline				Set
1200 (22)		Kitchen Hood				Set
1200 (23)		Induced Jet Fan				Set
1200 (24)		Chiller				Unit
1200 (25)		Chilled Water Pump				Unit
1200 (26)		Cooling Tower				Unit
1200 (27)		Cooling Tower Pump				Unit
1200 (28)		Refrigerant Copper Pipe, Refrigerant Copper Pipe Fittings & Refrigerant Copper Pipe Insulation				Linear Meter
1200 (29)	a1	Refrigerant Copper Pipe				Linear Meter
1200 (29)	a2	Refrigerant Copper Pipe	6.35 mmØ	type L	Hard Drawn	Linear Meter
1200 (29)	a3	Refrigerant Copper Pipe	9.52 mmØ	type L	Hard Drawn	Linear Meter
1200 (29)	a4	Refrigerant Copper Pipe	12.7 mmØ	type L	Hard Drawn	Linear Meter
1200 (29)	a5	Refrigerant Copper Pipe	15.88 mmØ	type L	Hard Drawn	Linear Meter
1200 (29)	a6	Refrigerant Copper Pipe	19.05 mmØ	type L	Hard Drawn	Linear Meter
1200 (29)	a7	Refrigerant Copper Pipe	22.2 mmØ	type L	Hard Drawn	Linear Meter
1200 (29)	a8	Refrigerant Copper Pipe	28.58 mmØ	type L	Hard Drawn	Linear Meter
1200 (29)	a9	Refrigerant Copper Pipe	34.93 mmØ	type L	Hard Drawn	Linear Meter
1200 (29)	a10	Refrigerant Copper Pipe	41.28 mmØ	type L	Hard Drawn	Linear Meter
1200 (30)	a1	Refrigerant Copper Pipe Fittings				Piece
1200 (30)	a2	Refrigerant Copper Pipe Fittings	6.35 mmØ		Copper Elbow 90°	Piece
1200 (30)	a3	Refrigerant Copper Pipe Fittings	9.52 mmØ		Copper Elbow 90°	Piece
1200 (30)	a4	Refrigerant Copper Pipe Fittings	12.7 mmØ		Copper Elbow 90°	Piece
1200 (30)	a5	Refrigerant Copper Pipe Fittings	15.88 mmØ		Copper Elbow 90°	Piece
1200 (30)	a6	Refrigerant Copper Pipe Fittings	19.05 mmØ		Copper Elbow 90°	Piece
1200 (30)	a7	Refrigerant Copper Pipe Fittings	22.2 mmØ		Copper Elbow 90°	Piece
1200 (30)	a8	Refrigerant Copper Pipe Fittings	28.58 mmØ		Copper Elbow 90°	Piece
1200 (30)	a9	Refrigerant Copper Pipe Fittings	34.93 mmØ		Copper Elbow 90°	Piece
1200 (30)	a10	Refrigerant Copper Pipe Fittings	41.28 mmØ		Copper Elbow 90°	Piece
1200 (31)	a1	Branch Joint			CMY-Y302-G2	Piece
1200 (31)	a2	Branch Joint			CMY-Y202-G2	Piece
1200 (31)	a3	Branch Joint			CMY-Y102L-G2	Piece
1200 (31)	a4	Branch Joint			CMY-Y102S-G2	Piece
1200 (31)	a5	Branch Joint (Header)			CMY-Y108-G	Piece
1200 (32)	a1	Refrigerant Copper Pipe Insulation				Linear Meter
1200 (32)	a2	Refrigerant Copper Pipe Insulation	6.35 mmØ X 3/4" thk		Rubber Insulation	Linear Meter

1200 (32)	a3	Refrigerant Copper Pipe Insulation	9.52 mmØ X 3/4" thk		Rubber Insulation	Linear Meter
1200 (32)	a4	Refrigerant Copper Pipe Insulation	12.7 mmØ X 3/4" thk		Rubber Insulation	Linear Meter
1200 (32)	a5	Refrigerant Copper Pipe Insulation	15.88 mmØ X 3/4" thk		Rubber Insulation	Linear Meter
1200 (32)	a6	Refrigerant Copper Pipe Insulation	19.05 mmØ X 3/4" thk		Rubber Insulation	Linear Meter
1200 (32)	a7	Refrigerant Copper Pipe Insulation	22.2 mmØ X 3/4" thk		Rubber Insulation	Linear Meter
1200 (32)	a8	Refrigerant Copper Pipe Insulation	28.58 mmØ X 3/4" thk		Rubber Insulation	Linear Meter
1200 (32)	a9	Refrigerant Copper Pipe Insulation	34.93 mmØ X 3/4" thk		Rubber Insulation	Linear Meter
1200 (32)	a10	Refrigerant Copper Pipe Insulation	41.28 mmØ X 3/4" thk		Rubber Insulation	Linear Meter
1200 (32)	a11	Refrigerant Copper Pipe Insulation	15 mmØ X 1/2" thk		Rubber Insulation	Linear Meter
1200 (32)	a12	Refrigerant Copper Pipe Insulation	20 mmØ X 1/2" thk		Rubber Insulation	Linear Meter
1200 (32)	a13	Refrigerant Copper Pipe Insulation	25 mmØ X 1/2" thk		Rubber Insulation	Linear Meter
1200 (32)	a14	Refrigerant Copper Pipe Insulation	32 mmØ X 1/2" thk		Rubber Insulation	Linear Meter
1200 (32)	a15	Refrigerant Copper Pipe Insulation	50 mmØ X 1/2" thk		Rubber Insulation	Linear Meter
1200 (33)		Ducts and Duct Insulation				Linear Meter
1200 (34)		Rectangular Galvanized Steel Sheet Air Duct, Supply & Return				Linear Meter
1200 (35)	a1	Duct Fabrication (GI Sheet)			gauge 26	Linear Meter
1200 (35)	a2	Duct Fabrication (GI Sheet)			gauge 24	Linear Meter
1200 (35)	a3	Duct Fabrication (GI Sheet)			gauge 22	Linear Meter
1200 (35)	a4	Duct Fabrication (GI Sheet)			gauge 20	Linear Meter
1200 (36)	a1	Aluminum Flexible Duct				Linear Meter
1200 (36)	a2	Aluminum Flexible Duct	100 mmØ			Linear Meter
1200 (36)	a3	Aluminum Flexible Duct	150 mmØ			Linear Meter
1200 (36)	a4	Aluminum Flexible Duct	200 mmØ			Linear Meter
1200 (36)	a5	Aluminum Flexible Duct	250 mmØ			Linear Meter
1200 (36)	a6	Aluminum Flexible Duct	300 mmØ			Linear Meter
1200 (36)	a7	Aluminum Flexible Duct	350 mmØ			Linear Meter
1200 (37)	a1	Aluminum Flexible Duct Connector				Piece
1200 (37)	a2	Aluminum Flexible Duct Connector	100 mmØ			Piece
1200 (37)	a3	Aluminum Flexible Duct Connector	150 mmØ			Piece
1200 (37)	a4	Aluminum Flexible Duct Connector	200 mmØ			Piece
1200 (37)	a5	Aluminum Flexible Duct Connector	250 mmØ			Piece
1200 (37)	a6	Aluminum Flexible Duct Connector	300 mmØ			Piece

1200 (37)	a7	Aluminum Flexible Duct Connector	350 mmØ			Piece
1200 (38)		Rectangular Duct Work Insulation				Square Meter
1200 (39)		Fiberglass Insulation			25mmØ, 32 kg/m3 w/ aluminum foil	Square Meter
1200 (40)		Air Conditioning and Ventilating System				Lump Sum
1200 (41)	a1	Freon (Gas)			23	Kilograms
1200 (41)	b1	Freon (Gas)			134a	Kilograms
1200 (41)	b2	Freon (Gas)			134b	Kilograms
1200 (41)	c1	Freon (Gas)			410a	Kilograms
1200 (41)	c2	Freon (Gas)			410b	Kilograms
1200 (42)		Sand Trap Louver				Square Meter

ITEM 1201 - WATER PUMPING SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1201 (1)		Water Pumping System				Lump Sum
1201 (2)		Centrifugal pump with control				Set
1201 (3)		Submersible multi-stage deepwell pump with control				Set
1201 (4)		Submersible sump pump with control				Set
1201 (5)		Submersible sewage ejector pump with control				Set
1201 (6)		Booster pump with control				Set
1201 (7)		Jet pump with control				Set
1201 (8)		Water tank				Set
1201 (9)	a	Overhead Tank			Stainless	Set
1201 (9)	b	Overhead Tank			Galvanized Iron	Set
1201 (9)	c	Overhead Tank			Polyethylene	Set
1201 (10)	a	Pneumatic			Stainless	Set
1201 (10)	b	Pneumatic			Galvanized Iron	Set
1201 (11)		Air Compressor				Set
1201 (12)		Valves				Piece
1201 (13)	a1	Gate Valve	12mm dia.			Piece
1201 (13)	a2	Gate Valve	20mm dia.			Piece
1201 (13)	a3	Gate Valve	25mm dia.			Piece
1201 (13)	a4	Gate Valve	32mm dia.			Piece
1201 (13)	a5	Gate Valve	40mm dia.			Piece
1201 (13)	a6	Gate Valve	50mm dia			Piece
1201 (13)	a7	Gate Valve	65mm dia.			Piece
1201 (13)	a8	Gate Valve	75mm dia			Piece
1201 (13)	a9	Gate Valve	100mm dia			Piece

1201 (14)	a1	Check Valve	12mm dia.			Piece
1201 (14)	a2	Check Valve	20mm dia.			Piece
1201 (14)	a3	Check Valve	25mm dia.			Piece
1201 (14)	a4	Check Valve	32mm dia.			Piece
1201 (14)	a5	Check Valve	40mm dia.			Piece
1201 (14)	a6	Check Valve	50mm dia			Piece
1201 (14)	a7	Check Valve	65mm dia.			Piece
1201 (14)	a8	Check Valve	75mm dia			Piece
1201 (14)	a9	Check Valve	100mm dia			Piece
1201 (15)	a1	Foot Valve	25mm dia.			Piece
1201 (15)	a2	Foot Valve	32mm dia.			Piece
1201 (15)	a3	Foot Valve	40mm dia.			Piece
1201 (15)	a4	Foot Valve	50mm dia			Piece
1201 (15)	a5	Foot Valve	65mm dia.			Piece
1201 (15)	a6	Foot Valve	75mm dia			Piece
1201 (15)	a7	Float Valve	25mm dia.			Piece
1201 (15)	a8	Float Valve	32mm dia.			Piece
1201 (15)	a9	Float Valve	40mm dia.			Piece
1201 (15)	a10	Float Valve	50mm dia			Piece
1201 (15)	a11	Float Valve	65mm dia.			Piece
1201 (16)		Electrode				Set

ITEM 1202 – AUTOMATIC WATER SPRINKLER SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1202 (1)		Automatic Water Sprinkler System				Lump Sum
1202 (2)		Fire Pump complete with control and standard accessories				Set
1202 (3)		Jockey Pump complete with control and standard accessories				Set
1202 (4)	a1	Sprinkler Head, upright	20 mm dia.			Piece
1202 (4)	a2	Sprinkler Head, pendent	20 mm dia.			Piece
1202 (4)	a3	Sprinkler Head, wall	20 mm dia.			Piece
1202 (5)	a1	Alarm check valve	80 mm dia			Piece
1202 (5)	a2	Alarm check valve	100 mm dia			Piece
1202 (5)	a3	Alarm check valve	150 mm dia			Piece
1202 (6)	a1	Flow meter	80 mm dia			Piece
1202 (6)	a2	Flow meter	100 mm dia			Piece
1202 (6)	a3	Flow meter	150 mm dia			Piece
1202 (7)	a1	OS & Y Gate valve 175 psi	80 mm dia			Piece

1202 (7)	a2	OS & Y Gate valve 175 psi	100 mm dia			Piece
1202 (7)	a3	OS & Y Gate valve 175 psi	150 mm dia			Piece
1202 (8)	a1	Pressure gauge	25 mm dia			Piece
1202 (8)	a2	Pressure gauge	32 mm dia			Piece
1202 (8)	a3	Pressure gauge	40 mm dia			Piece
1202 (8)	a4	Pressure gauge	50 mm dia			Piece
1202 (9)	a1	Pressure relief valve	23 mm dia			Piece
1202 (9)	a2	Pressure relief valve	32 mm dia			Piece
1202 (9)	a3	Pressure relief valve	150 mm dia			Piece
1202 (10)	a1	Floor control valve	100 mm dia			Piece
1202 (10)	a2	Floor control valve	150 mm dia			Piece
1202 (11)		Inspector test valve	25 mm dia			Piece
1202 (12)		Inspector test connector	25 mm dia			Piece
1202 (13)	a1	B.I. Pipes	25 mm dia.			Length
1202 (13)	a2	B.I. Pipes	32 mm dia.			Length
1202 (13)	a3	B.I. Pipes	40 mm dia.			Length
1202 (13)	a4	B.I. Pipes	50 mm dia.			Length
1202 (13)	a5	B.I. Pipes	65 mm dia.			Length
1202 (13)	a6	B.I. Pipes	75 mm dia.			Length
1202 (13)	a7	B.I. Pipes	100 mm dia.			Length
1202 (13)	a8	B.I. Pipes	150 mm dia.			Length
1202 (14)	a1	B.I. 90 elbow	25 mm dia.			Piece
1202 (14)	a2	B.I. 90 elbow	32 mm dia.			Piece
1202 (14)	a3	B.I. 90 elbow	40 mm dia.			Piece
1202 (14)	a4	B.I. 90 elbow	50 mm dia.			Piece
1202 (14)	a5	B.I. 90 elbow	65 mm dia.			Piece
1202 (14)	a6	B.I. 90 elbow	80 mm dia			Piece
1202 (14)	a7	B.I. 90 elbow	100 mm dia.			Piece
1202 (14)	a8	B.I. 90 elbow	150 mm dia.			Piece
1202 (15)	a1	B.I. Tee	25 mm dia.			Piece
1202 (15)	a2	B.I. Tee	32 mm dia.			Piece
1202 (15)	a3	B.I. Tee	40 mm dia.			Piece
1202 (15)	a4	B.I. Tee	50 mm dia.			Piece
1202 (15)	a5	B.I. Tee	65 mm dia.			Piece
1202 (15)	a6	B.I. Tee	80 mm dia			Piece
1202 (15)	a7	B.I. Tee	100 mm dia.			Piece
1202 (15)	a8	B.I. Tee	150 mm dia.			Piece
1202 (16)	a1	Bell Reducer	25/15 mm dia.			Piece
1202 (16)	a2	Bell Reducer	32/25 mm dia.			Piece
1202 (16)	a3	Bell Reducer	40/32 mm dia.			Piece

1202 (16)	a4	Bell Reducer	50/40 mm dia.			Piece
1202 (16)	a5	Bell Reducer	65/50 mm dia.			Piece
1202 (16)	a6	Bell Reducer	80/65 mm dia.			Piece
1202 (16)	a7	Bell Reducer	100/80 mm dia.			Piece
1202 (16)	a8	Bell Reducer	150/100 mm dia.			Piece
1202 (17)	a1	Blind Flange	50 mm dia.			Piece
1202 (17)	a2	Blind Flange	65 mm dia.			Piece
1202 (17)	a3	Blind Flange	75 mm dia.			Piece
1202 (17)	a4	Blind Flange	100 mm dia.			Piece
1202 (17)	a5	Blind Flange	150 mm dia.			Piece
1202 (18)	a1	Slip Flange	50 mm dia.			Piece
1202 (18)	a2	Slip Flange	65 mm dia.			Piece
1202 (18)	a3	Slip Flange	75 mm dia.			Piece
1202 (18)	a4	Slip Flange	100 mm dia.			Piece
1202 (18)	a5	Slip Flange	150 mm dia.			Piece
1202 (19)	a1	Riser nipple	25 mm dia.			Piece
1202 (19)	a2	Riser nipple	32 mm dia.			Piece
1202 (19)	a3	Riser nipple	40 mm dia.			Piece
1202 (19)	a4	Riser nipple	50 mm dia.			Piece
1202 (20)	a1	Threadolet	25 mm dia.			Piece
1202 (20)	a2	Threadolet	32 mm dia.			Piece
1202 (20)	a3	Threadolet	40 mm dia.			Piece
1202 (20)	a4	Threadolet	50 mm dia.			Piece
1202 (21)	a1	Pipe sleeve	65 mm dia.			Piece
1202 (21)	a2	Pipe sleeve	75 mm dia.			Piece
1202 (21)	a3	Pipe sleeve	100 mm dia.			Piece
1202 (21)	a4	Pipe sleeve	150 mm dia.			Piece
1202 (22)		Fire hose valve siames 150mm dia x 2w x 65mm dia with cap	150 mm dia.			Set
1202 (23)		Fire hose cabinet				Set
1202 (24)	a1	Fire Extinguisher	10 lbs		ABC with bracket	Set
1202 (24)	a2	Fire Extinguisher	20 lbs		ABC with bracket	Set
1202 (24)	a3	Fire Extinguisher	10 lbs		CO2/HCFC123 with bracket	Set
1202 (24)	a4	Fire Extinguisher	20 lbs		CO2/HCFC123 with bracket	Set
1202 (24)	a5	Fire Extinguisher	50 lbs		CO2/HCFC123 wheeled type	Set

ITEM 1203 – ELECTRIC ELEVATOR

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1203 (1)		Electric Elevator				Set
1203 (2)		Traction or Hydraulic Machine and Car				Set
1203 (3)		Hoistway Doors, Counterweights, Guide Rails, Annunciators, and Hall Position Indicators				Piece
1203 (4)		Electrical Wires and Conduits				Length
1203 (5)		Electrical Wires and Conduits				Meter

ITEM 1204 – ELECTRIC DUMBWAITER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1204 (1)		Machine				Set
1204 (2)		Car, Door and Cable				Piece
1204 (3)		Electric Wires and Conduits				Length
1204 (4)		Electric Wires and Conduits				Meter

ITEM 1205 – OXYGEN, NITROUS OXIDE, VACUUM AND FUEL GAS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1205 (1)		Oxygen, Nitrous Oxide, Gas Manifold and Duplex Vacuum Pump				Set
1205 (2)		Humidifier, Vacuum Trap Bottle, Outlets, Valves				Piece
1205 (3)	a1	Pipes and Tubings	12 mm dia.		Copper Tubes	Length
1205 (3)	a2	Pipes and Tubings	15 mm dia.		Copper Tubes	Length
1205 (3)	a3	Pipes and Tubings	20 mm dia.		Copper Tubes	Length
1205 (3)	a4	Pipes and Tubings	25 mm dia.		Copper Tubes	Length

ITEM 1206 – HEATING SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1206 (1)		Boilers, Fuel Pump, Storage Tank and Fuel Day Tank including Foundation				Set
1206 (2)		Pipes				Length
1206 (3)		Valves and Fittings				Piece

ITEM 1207 - BOILER

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

1207 (1)		Steam Boilers, Air Compressor, Heat Exchanger & Fuel Pump				Set
1207 (2)		Pipes with Insulation				Length
1207 (3)		Valves and Fittings				Piece

ITEM 1208 - FIRE ALARM SYSTEM

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1208 (1)		Fire Alarm System				Lump Sum
1208 (2)		Smoke Detector with base				Set
1208 (3)		Heat Detector with base				Set
1208 (4)		Fire Alarm Bell				Set
1208 (5)		Fire Alarm Control Panel				Set
1208 (6)		Manual Pull Station Switch				Set
1208 (7)		Back-up Battery Pack				Set
1208 (8)		Automatic Voltage Regulator				Set
1208 (9)		Extended Power Supply				Set
1208 (10)		Loop Expander Module				Set
1208 (11)		Loop Control Module				Set
1208 (12)		Annunciator Addressable Module				Set

DIVISION III – PORTS AND HARBORS**PART F – PILING****ITEM 1300 – PILING TO INCLUDE SHEET PILING**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1300 (1)	a1	Timber Pile		Untreated	Supply	Linear Meter
1300 (1)	a2	Timber Pile		Untreated	Drive	Linear Meter
1300 (1)	a3	Timber Pile		Untreated	Splice	Linear Meter
1300 (1)	b1	Timber Pile		Treated	Supply	Linear Meter
1300 (1)	b2	Timber Pile		Treated	Drive	Linear Meter
1300 (1)	b3	Timber Pile		Treated	Splice	Linear Meter
1300 (2)	a1	Steel Pile			Supply	Linear Meter
1300 (2)	a2	Steel Pile			Drive	Linear Meter
1300 (2)	a3	Steel Pile			Splice	Linear Meter
1300 (2)	b1	Steel Pile		Tubular	Supply	Linear Meter
1300 (2)	b2	Steel Pile		Tubular	Drive	Linear Meter
1300 (2)	b3	Steel Pile		Tubular	Splice	Linear Meter
1300 (3)	a1	Concrete Piles			Supply	Linear Meter

1300 (3)	a2	Concrete Piles			Drive	Linear Meter
1300 (3)	a3	Concrete Piles			Splice	Linear Meter
1300 (3)	b1	Concrete Piles		Prestressed	Supply	Linear Meter
1300 (3)	b2	Concrete Piles		Prestressed	Drive	Linear Meter
1300 (3)	b3	Concrete Piles		Prestressed	Splice	Linear Meter

ITEM 1301 – TEST PILE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1301 (1)	a	Timber		Untreated		Linear Meter
1301 (1)	b	Timber		Treated		Linear Meter
1301 (2)	a	Test Pile		Steel		Linear Meter
1301 (2)	b	Test Pile		Concrete		Linear Meter
1301 (2)	c	Test Pile		Tubular		Linear Meter

PART G – PROTECTIVE WORKS AND ACCESSORIES**ITEM 1400 – MOORING FIXTURES**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1400 (1)		Cleat			with Accessories	Set
1400 (2)		Post			with Accessories	Set
1400 (3)		Bitt			with Accessories	Set
1400 (4)		Bollard			with Accessories	Set
1400 (5)		Cleat			Replacement	Each
1400 (6)		Post			Replacement	Each
1400 (7)		Bitt			Replacement	Each
1400 (8)		Bollard			Replacement	Each

ITEM 1401 – TIMBER WALING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1401 (1)		Timber Waling				Linear Meter

ITEM 1402 – FENDER CLUSTERS AND DOLPHINS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1402 (1)	a	Pile Cluster			3	Set
1402 (1)	b	Pile Cluster			4	Set
1402 (1)	c	Pile Cluster			5	Set

1402 (1)	d	Pile Cluster			7	Set
1402 (1)	e	Pile Cluster			9	Set
1402 (1)	f	Pile Cluster			12	Set
1402 (2)		Concrete Dolphin				Set
1402 (3)		Tubular Steel Dolphin				Set

ITEM 1403– RUBBER DOCK FENDERS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1403 (1)		Installation of Rubber Dock Fenders				Set

ITEM 1404– FILTER FABRIC

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1404 (1)		Filter Material				Square Meter

ITEM 1405 – REINFORCING MAT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1405 (1)		Reinforcing Materials				Square Meter

ITEM 1406 – DEFLECTOR WALL, BULKHEAD CURBS, AND STAIR LANDING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1406 (1)		Deflector Wall				Linear Meter
1406 (2)		Bulkhead Curbs				Linear Meter
1406 (3)		Stair Landing				Linear Meter

ITEM 1407 – PRECAST BREAKWATER STRUCTURE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1407 (1)		Tetrapad				Piece
1407 (2)		Tetrapad				Cubic Meter
1407 (3)		Hexapad				Piece
1407 (4)		Hexapad				Cubic Meter

PART H – BULKHEADS**ITEM 1500 – SAND MATTRESS**

Pay Item	Suffix	Description	Valid Values			Unit Of Measure
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(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
1500 (1)		Sand Mattress				Cubic Meter

ITEM 1501 – ROCKWORKS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1501 (1)		Rock Works		Class I Rock		Tonne
1501 (2)		Rock Works		Class II Rock		Tonne
1501 (3)		Rock Works		Class III Rock		Tonne

ITEM 1502 – FILTER MATERIALS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1502 (1)		Filter Material				Square Meter

ITEM 1503 – EXCAVATION FOR BULKHEADS AND RECLAMATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1503 (1)		Excavation for Bulkheads and Reclamation				Cubic Meter

DIVISION IV – FLOOD CONTROL, DRAINAGE AND WATER SUPPLY**PART I – WATER SUPPLY****ITEM 1600 - EXCAVATION**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1600 (1)		Excavation Beneath Proposed Structures				Cubic Meter
1600 (2)		Pipeline Trench Excavation				Cubic Meter
1600 (3)		Dewatering				Lump Sum

ITEM 1601 – BACKFILL AND FILL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1601 (1)		Fill and Backfill				Cubic Meter

ITEM 1602 – INSTALLATION OF PIPELINE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1602 (1)		Mortar Lined and Coated Steel Pipe				Lump Sum

1602 (2)		Cast Iron Water Pipe				Lump Sum
1602 (3)		Asbestos-Cement Water Pipe				Lump Sum
1602 (4)		PVC Polyvinyl Chloride Pipe				Lump Sum
1602 (5)		Polyethylene (PE) Plastic Pipe				Lump Sum

ITEM 1603 – INSTALLATION OF VALVES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1603 (1)		Valve				Lump Sum

Part J – FLOOD CONTROL AND DRAINAGE**Part I-A – EARTHWORK****ITEM 1700 – CLEARING AND GRUBBING**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1700 (1)		Clearing and Grubbing				Square Meter
1700 (2)		Clearing and Grubbing				Lump Sum
1700 (3)	a1	Individual Removal of Trees	150-300 mm dia.		Small	Each
1700 (3)	a2	Individual Removal of Trees	301-500 mm dia.		Small	Each
1700 (3)	a3	Individual Removal of Trees	501-750 mm dia.		Small	Each
1700 (3)	a4	Individual Removal of Trees	751-900 mm dia.		Small	Each
1700 (4)		Individual Removal of Trees	above 900mm dia.		Large	Each

ITEM 1701 – CHANNEL EXCAVATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1701 (1)		Unsuitable Excavation				Cubic Meter
1701 (2)		Surplus Common Excavation				Cubic Meter
1701 (3)		Surplus Rock				Cubic Meter
1701 (4)		Surplus Unclassified Excavation				Cubic Meter

ITEM 1702 – STRUCTURE EXCAVATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1702 (1)	a	Structure Excavation			Common Soil	Cubic Meter
1702 (1)	b	Structure Excavation			Soft Rock	Cubic Meter
1702 (1)	c	Structure Excavation			Hard Rock	Cubic Meter
1702 (2)	a	Bridge Excavation			Common Soil	Cubic Meter
1702 (2)	b	Bridge Excavation			Soft Rock	Cubic Meter

1702 (2)	c	Bridge Excavation			Hard Rock	Cubic Meter
1702 (3)		Foundation Fill				Cubic Meter
1702 (4)		Excavation ordered below Plan elevation				Cubic Meter
1702 (5)	a	Shoring, cribbing and drain excavation			Shoring	Lump Sum
1702 (5)	b	Shoring, cribbing and drain excavation			Cribbing/Cofferdammin g	Lump Sum
1702 (6)	a	Pipe culverts and drain excavation			Common Soil	Cubic Meter
1702 (6)	b	Pipe culverts and drain excavation			Soft Rock	Cubic Meter
1702 (6)	c	Pipe culverts and drain excavation			Hard Rock	Cubic Meter

ITEM 1703 – DREDGING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1703 (1)		Dredging-soils				Cubic Meter

ITEM 1704– EMBANKMENT

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1704 (1)		Embankment				Cubic Meter

ITEM 1705 - FILL AND BACKFILL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1705 (1)		Fill and Backfill				Cubic Meter
1705 (2)		Backfill			Sand	Cubic Meter

ITEM 1706 – HAULING AND DISPOSAL/OVERHAUL

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1706 (1)		Overhaul				Cubic Meter-Kilometer
1706 (2)		Overhaul of Borrow Case 1				Cubic Meter-Kilometer

ITEM 1707 – AGGREGATE SUBBASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1707 (1)		Aggregate Subbase Course				Cubic Meter

ITEM 1708 – AGGREGATE BASE COURSE

Pay Item	Suffix	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	

(Number)	(Subscript)	Description	Thickness/Sizes	Class	Others	Unit Of Measure
1708 (1)		Aggregate Base Course				Cubic Meter

ITEM 1709 – CRUSHED AGGREGATE BASE COURSE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1709 (1)		Crushed Aggregate Base Course				Cubic Meter

PART I-B – BANK AND SLOPE PROTECTION WORKS**ITEM 1710 – RIPRAP AND GROUTED RIPRAP**

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1710 (1)	a	Riprap		Class A		Cubic Meter
1710 (1)	b	Riprap		Class B		Cubic Meter
1710 (1)	c	Riprap		Class C		Cubic Meter
1710 (1)	d	Riprap		Class D		Cubic Meter
1710 (2)	a	Grouted Riprap		Class A		Cubic Meter
1710 (2)	b	Grouted Riprap		Class B		Cubic Meter
1710 (2)	c	Grouted Riprap		Class C		Cubic Meter
1710 (2)	d	Grouted Riprap		Class D		Cubic Meter
1710 (3)		Filter layer of granular material				Cubic Meter

ITEM 1711 – STONE MASONRY

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1711 (1)		Stone Masonry				Cubic Meter

ITEM 1712 – CONCRETE SLOPE PROTECTION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1712 (1)		Bed Course Granular Material				Cubic meter in-place
1712 (2)		Concrete			Slope Protection	Cubic meter in-place

ITEM 1713 – RUBBLE CONCRETE

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1713 (1)		Rubble Concrete				Cubic Meter

ITEM 1714 – GABIONS AND MATTRESSES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1714 (1)		Gabions				Cubic Meter
1714 (2)		Mattresses				Cubic Meter
1714 (3)		Filter Cloth				Square Meter

ITEM 1715 – FILTER FABRIC

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1715 (1)		Filter Material				Square Meter

ITEM 1716 – PILING

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1716 (1)		Untreated Timber Piles, furnished				Meter
1716 (2)		Treated Timber Piles, preservative, furnished				Meter
1716 (3)		Steel H-Piles, furnished				Meter
1716 (4)	a1	Precast Concrete Piles, furnished	400x400 mm			Meter
1716 (4)	a2	Precast Concrete Piles, furnished	450x450 mm			Meter
1716 (5)	a1	Precast, Prestressed Concrete Piles, furnished	400x400 mm			Meter
1716 (5)	a2	Precast, Prestressed Concrete Piles, furnished	450x450 mm			Meter
1716 (6)		Structural Steel Sheet Piles, furnished				Meter
1716 (7)		Precast Concrete Sheet Piles, furnished				Meter
1716 (8)		Untreated Timber Piles, driven				Meter
1716 (9)		Treated Timber Piles, driven				Meter
1716 (10)		Steel H-Piles, driven				Meter
1716 (11)		Steel Pipes Piles				Meter
1716 (12)		Structural Steel Sheet Piles, driven				Meter
1716 (13)		Precast Concrete Sheet Piles, driven				Meter
1716 (14)		Precast Concrete Piles, driven				Meter
1716 (15)		Precast, Prestressed Concrete Piles, driven				Meter
1716 (16)		Test Piles, furnished and driven				Meter
1716 (17)	a1	Concrete Piles cast in Drilled Holes	0.80			Meter
1716 (17)	a2	Concrete Piles cast in Drilled Holes	1.00			Meter
1716 (17)	a3	Concrete Piles cast in Drilled Holes	1.20			Meter
1716 (17)	a4	Concrete Piles cast in Drilled Holes	1.50			Meter
1716 (17)	a5	Concrete Piles cast in Drilled Holes	1.80			Meter
1716 (17)	a6	Concrete Piles cast in Drilled Holes	2.00			Meter
1716 (17)	a7	Concrete Piles cast in Drilled Holes	2.50			Meter
1716 (17)	a8	Concrete Piles cast in Drilled Holes	2.80			Meter

1716 (17)	a9	Concrete Piles cast in Drilled Holes	3.00			Meter
1716 (18)		Concrete Piles cast in Steel Shells	400-500 mm dia.			Meter
1716 (19)		Concrete Piles cast in Steel Pipes	400-500 mm dia.			Meter
1716 (20)		Pile Shoes				Each
1716 (21)		Splices				Each
1716 (22)		Load Tests				Each
1716 (23)	a1	Bored Piles	0.80			Meter
1716 (23)	a2	Bored Piles	1.00			Meter
1716 (23)	a3	Bored Piles	1.20			Meter
1716 (23)	a4	Bored Piles	1.50			Meter
1716 (23)	a5	Bored Piles	1.80			Meter
1716 (23)	a6	Bored Piles	2.00			Meter
1716 (23)	a7	Bored Piles	2.50			Meter
1716 (23)	a8	Bored Piles	2.80			Meter
1716 (23)	a9	Bored Piles	3.00			Meter
1716 (24)	a1	Permanent Casing	0.80			Meter
1716 (24)	a2	Permanent Casing	1.00			Meter
1716 (24)	a3	Permanent Casing	1.20			Meter
1716 (24)	a4	Permanent Casing	1.50			Meter
1716 (24)	a5	Permanent Casing	1.80			Meter
1716 (24)	a6	Permanent Casing	2.00			Meter
1716 (24)	a7	Permanent Casing	2.50			Meter
1716 (24)	a8	Permanent Casing	2.80			Meter
1716 (24)	a9	Permanent Casing	3.00			Meter
1716 (25)		Permanent Casing				Kilogram
1716 (26)		Splicing of R.C. Piles with Epoxy				Each
1716 (27)	a	Pile Integrity Testing			Crosshole-Sonic	Each
1716 (27)	b	Pile Integrity Testing			Low Strain	Each
1716 (28)		High Strain Dynamic Testing (P.D.A)				Each
1716 (29)	a	Painting Works			Concrete Structures	Square Meter
1716 (29)	b	Painting Works			Steel Structures	Square Meter

ITEM 1717 – SHEET PILES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1717 (1)		Sheet Piles Timber				Meter
1717 (2)	a1	Sheet Piles		Steel	Slope Protection	Meter
1717 (2)	a2	Sheet Piles		Steel	Cofferdamming	Meter
1717 (3)	a1	Sheet Piles		Concrete	Furnished	Meter
1717 (3)	a2	Sheet Piles		Concrete	Driven	Meter

1717 (3)	a3	Sheet Piles		Concrete	Furnished and Driven	Meter
1717 (4)	a1	Furnishing of Steel Sheet Pile		U-Type	Grade 40	Kilogram
1717 (4)	a2	Furnishing of Steel Sheet Pile		U-Type	Grade 50	Kilogram
1717 (4)	b	Furnishing of Steel Sheet Pile		Z-Type	Grade 50	Kilogram
1717 (4)	c	Furnishing of Steel Sheet Pile		Hat Type	Grade 50	Kilogram
1717 (4)	d	Furnishing of Steel Sheet Pile		Pipe Type	Grade 50	Kilogram
1717 (5)	a1	Furnished and Driven of Steel Sheet Pile		U-Type	Grade 40	Meter
1717 (5)	a2	Furnished and Driven of Steel Sheet Pile		U-Type	Grade 50	Meter
1717 (5)	a	Furnished and Driven of Steel Sheet Pile		Z-Type	Grade 50	Meter
1717 (5)	b	Furnished and Driven of Steel Sheet Pile		Hat Type	Grade 50	Meter
1717 (5)	c	Furnished and Driven of Steel Sheet Pile		Pipe Type	Grade 50	Meter
1717 (6)		Steel Sheet Pile Flexible Joint		Type 2		Meter
1717 (7)		End Connection		Type 1		Piece

PART I-C – DRAINAGE WORKS

ITEM 1718 – PILE CULVERTS AND STORM DRAINS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1718 (1)		Pipe Culverts				Linear Meter
1718 (2)		Storm Drain				Linear Meter

ITEM 1719 – UNDERDRAINS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1719 (1)		Underdrain				Linear Meter
1719 (2)		Blind drain				Linear Meter
1719 (3)		Granular backfill filter material for underdrains				Cubic Meter

ITEM 1720 – MANHOLES, INLETS AND CATCH BASINS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1720 (1)	a1	Manholes	610 mm dia.	Concrete		Each
1720 (1)	a2	Manholes	760 mm dia.	Concrete		Each
1720 (1)	a3	Manholes	910 mm dia.	Concrete		Each
1720 (1)	a4	Manholes	1070 mm dia.	Concrete		Each
1720 (1)	a5	Manholes	1220 mm dia.	Concrete		Each
1720 (1)	a6	Manholes	1520 mm dia.	Concrete		Each
1720 (1)	b1	Manholes	610 mm dia.	CHB		Each
1720 (1)	b2	Manholes	760 mm dia.	CHB		Each
1720 (1)	b3	Manholes	910 mm dia.	CHB		Each
1720 (1)	b4	Manholes	1070 mm dia.	CHB		Each
1720 (1)	b5	Manholes	1220 mm dia.	CHB		Each
1720 (1)	b6	Manholes	1520 mm dia.	CHB		Each
1720 (2)	a1	Inlets, type	610 mm dia.			Each

1720 (2)	a2	Inlets, type	760 mm dia.			Each
1720 (2)	a3	Inlets, type	910 mm dia.			Each
1720 (2)	a4	Inlets, type	1070 mm dia.			Each
1720 (2)	a5	Inlets, type	1220 mm dia.			Each
1720 (2)	a6	Inlets, type	1520 mm dia.			Each
1720 (3)	a1	Catch basins	610 mm dia.			Each
1720 (3)	a2	Catch basins	760 mm dia.			Each
1720 (3)	a3	Catch basins	910 mm dia.			Each
1720 (3)	a4	Catch basins	1070 mm dia.			Each
1720 (3)	a5	Catch basins	1220 mm dia.			Each
1720 (3)	a6	Catch basins	1520 mm dia.			Each
1720 (4)	a1	Concrete covers	610 mm dia.			Each
1720 (4)	a2	Concrete covers	760 mm dia.			Each
1720 (4)	a3	Concrete covers	910 mm dia.			Each
1720 (4)	a4	Concrete covers	1070 mm dia.			Each
1720 (4)	a5	Concrete covers	1220 mm dia.			Each
1720 (4)	a6	Concrete covers	1520 mm dia.			Each
1720 (5)		Metal frames and gratings, type				Pair
1720 (6)		Metal frames and covers				Pair
1720 (7)		Adjusting manholes				Each
1720 (8)		Adjusting catch basin				Each

ITEM 1721 – CLEANING AND RECONDITIONING EXISTING DRAINAGE STRUCTURES

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1721 (1)		Removing, cleaning, stockpiling salvaged culvert pipe				Linear Meter
1721 (2)		Removing, cleaning, and relaying salvaged culvert pipe				Linear Meter
1721 (3)		Cleaning culvert pipe in place				Linear Meter
1721 (4)		Reconditioning drainage structures				Each

ITEM 1722 – FENCE AND RAILINGS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1722 (1)	a	Fence			CHB	Square Meter
1722 (1)	b	Fence			Precast	Square Meter
1722 (1)	c	Fence			Cyclone/Welded Wire	Square Meter
1722 (2)		Fence			Precast Plant Box	Linear Meter

1722 (3)		Railings				Linear Meter
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ITEM 1723 – DREDGING WORKS

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1723 (1)		Dredging Works				Cubic Meter
1723 (2)	a	Disposal of dredged material		Type A		Cubic Meter
1723 (2)	b	Disposal of dredged material		Type B		Cubic Meter
1723 (2)	c	Disposal of dredged material		Type C		Cubic Meter

ITEM 1724 – MAIN PUMPING STATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1724 (1)	a	Submersible Axial and Mixed Flow Pump			above 1.0 m3/s cap	Set
1724 (1)	b	Submersible Vertical Axial Flow Pump			above 1.0 m3/s cap	Set
1724 (1)	c	Horizontal Axial Flow Pump			above 1.0 m3/s cap	Set
1724 (2)	a	Suction Column Pipe set with Flanges and Bolt & Nuts	6 -10mm ^t	carbon steel	1500mmØ and below	Set
1724 (2)	b	Discharge Column Pipe set with Flanges and Bolt & Nuts	6 -10mm ^t	carbon steel	1500mmØ and below	Set
1724 (3)		Flapper Valve	12mm ^t	carbon steel	1500mmØ and below	Set
1724 (4)		Butterfly Valve	12mmt	carbon steel	1500mmØ and below	Set
1724 (5)	a	Water Elevation Indicator			Meter Stick	Set
1724 (5)	b	Water Elevation Indicator			Electronic Sensor	Set
1724 (6)		Bulk Fuel Storage Tank			20,000 ltrs.	Set
1724 (7)		Fuel Day Tank			1500 ltrs.	Set
1724 (8)		Fuel Transfer pump			0.187-0.75kW	Set
1724 (9)		Overhead Water Tank with Pump		stainless	2-5cu.meter	Set
1724 (10)		Water supply Centrifugal pump			0.75 - 2.24kW	Set
1724 (11)		Portable submersible pump			0.75 -3.73kW	Set

ITEM 1725 – INTERMEDIATE PUMPING STATION

Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1725 (1)	a	Submersible Axial and Mixed Flow Sewage Pump			1.0 m3/s cap and below	Set

1725 (1)	b	Submersible Vertical Axial Flow Sewage Pump			1.0 m ³ /s cap and below	Set
1725 (2)	a	Suction Column Pipe set with Flanges and Bolt & Nuts	10mm ^t		700mmØbelow	Meter
1725 (2)	b	Discharge Column Pipe set with Flanges and Bolt & Nuts	10mm ^t		700mmØ below	Meter
1725 (3)		Flapper Valve	12mm ^t	carbon steel	700mmØ below	Set
1725 (4)		Fuel transfer Pump			0.187-0.75kW	Set
1725 (5)		Fuel Storage Tank			5,000 ltrs.	Set
1725 (6)		Fuel Day Tank			1000 ltrs.	Set
1725 (7)		Steel Grating			Stainless steel	Set
1725 (8)		Meter Stick				Set
1725 (9)	a1	Gantry Crane			(0.5 ton capacity chain hoist with trolley)	Set
1725 (9)	a2	Gantry Crane			(1 ton capacity chain hoist with trolley)	Set
1725 (9)	a3	Gantry Crane			(1.5 tons capacity chain hoist with trolley)	Set
1725 (9)	a4	Gantry Crane			(2 tons capacity chain hoist with trolley)	Set
1725 (9)	a5	Gantry Crane			(2.5 tons capacity chain hoist with trolley)	Set

ITEM 1726 – ELECTRO MECHANICAL FOR PUMPING STATION

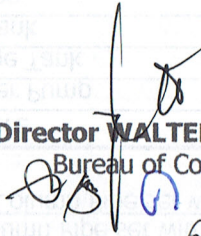
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1726 (1)		Motor Control Center (for main pumps and facilities)				Lump Sum
1726 (2)		Generator Set			KvA	Lump Sum
1726 (3)		Local Panel Control center (for Auxiliary Equipment)				Lump Sum

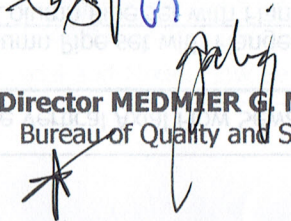
ITEM 1727 - AUXILIARY AND FACILITY EQUIPMENT

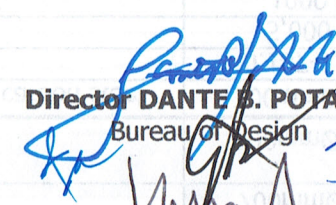
Pay Item (Number)	Suffix (Subscript)	Description	Valid Values			Unit Of Measure
			Thickness/Sizes	Class	Others	
1727 (1)		Hoist Crane			tons	Set

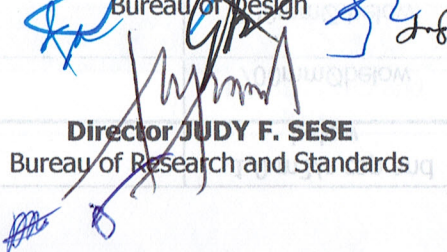
1727 (2)	a1	Overhead crane			(5 tons capacity chain hoist with trolley)	Set
1727 (2)	a2	Overhead crane			(7.5 tons capacity chain hoist with trolley)	Set
1727 (2)	a3	Overhead crane			(10 tons capacity chain hoist with trolley)	Set
1727 (3)	a1	Gantry Crane			(5 tons capacity chain hoist with trolley)	Set
1727 (3)	a2	Gantry Crane			(7.5 tons capacity chain hoist with trolley)	Set
1727 (3)	a3	Gantry Crane			(10 tons capacity chain hoist with trolley)	Set
1727 (4)	a	Automatic trash rake complete with accessories ready for service (Primary)				Set
1727 (4)	b	Trash screen rake complete with accessories ready for service (Secondary)				Set
1727 (5)		Flood gate complete with accessories ready for service				Set
1727 (6)		Horizontal conveyor complete with accessories ready for service				Set
1727 (7)		Inclined conveyor and hooper complete with accessories ready for service				Set

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