THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	PREAMBLE				
	Location and Description of the Works:				
A	**Lot 2: Rehabilitation of Congo Valley Bridge**				
	Site Location				
B	The road is located on the North Eastern coast side of St Vincent. The Eastern limit of the site is the entrance of the Congo Valley Road .				
C	**Scope of Works**				
	This includes but is not limited to the following:				
i	Demolition and reconstruction of the existing bridge # 1				
ii	Realignment/integration of roadway and drainage to suite the configuration of the new bridge and its related structures,				
iii	Realignment of sections of both sides of Grand Stable River using Gabion Basket (approximately 1300 ft long),				
iv	Miscellaneous repair works to roads, drains, and other bridge structures.				
	The Method Statement and program of works, submitted along with the tender, should indicate but not limited to the process and schedule of construction, the resources that will be employed, and time period for the construction of the works.				
	The contractor is strongly advised to attend the pre-tender meeting as scheduled in the "Invitation to Tender", to visit the site and to familiarize themselves with the local conditions before construction to avoid any misconceptions.				
	Demolition and Site clearance:				
C	This work is to be designed and quantified at the discretion of the Contractor.				
	General Items:				
D	**Method-Related Charge**' means the sum for an item inserted in the Bill of Quantities by the tenderer in accordance with paragraph 7.2 of the CESMM3				

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		

Item	Description	Unit	Qty		
	Cont'd				
A	**Time-Related Charge**' means a Method-Related Charge for work the cost of which is to be considered as proportional to the length of time taken to execute the work.				
B	**Fixed Charge**' means a Method-Related Charge which is not a Time-Related Charge.				
C	The **Contractor** shall be paid for these charges in Interim Valuations in the same way as he is paid for measured work. All priced Method-related Charges must be fully described, including the resources expected to be used and the particular items of Permanent or Temporary Works to which the item relates.				
	In Situ Concrete:				
D	Pre-mix suppliers should be approved by the Engineer and tested according to specifications.				
	Roads and Pavings:				
E	All sub-bases, flexible road base and surfacing should confirm to specifications				
	Provisional Sums:				
F	**Daywork**: items for percentage adjustment to Provisional Sums for Daywork shall correspond to with adjustments in the Daywork Schedule contained in the Bills of Quantities. The Contractor shall be paid for work executed on a Daywork basis at rates and prices calculated by adding the percentage additions stated in the Schedules of Dayworks carried out incidental to Contract Work to the rates and prices of Labour, Materials, Plant, and other supplementary charges.				
	Adjustment Item:				

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
G	A lump sum addition or deduction given in the Grand Summary in adjustment of the total of the priced Bills of Quantities. It is inserted by the Tenderer/Contractor and will be applied in installments of Interim Certificates in the proportion that the amount bears to the total of the Bill of Quantities before its addition or deduction.				

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS A: GENERAL ITEMS				
	Contractual Requirement				
	CLASS A: GENERAL ITEMS				
	Contractual Requirement				
A110.0	Performance bond	Sum			
A110.1	Advance payment bond	Sum			
A120.0	Insurance for the Works	Sum			
A130.0	Third party insurance	Sum			
	Specified Requirements, all in accordance with Engineer's Specifications				
A211.1	Accommodation for Engineering Staff, offices, including establishment, removal and maintenance, Fixed Charge	Sum			
A233.1	Equipment for use by Engineer's Staff, Survey Equipment, include for Establishment, Removal and Maintenance during construction.	Sum			
A242.1	Attendance upon Engineer's Staff, Chainmen and the like, Time Related Charge	Sum			
A250.1	Testing of materials, including site tests and observations: permeability, groundwater level, plate bearing capacities and the like all in accordance with Engineer's Specifications	Sum			
A.250.2	Testing of Works, carried out after the issue of the Certificate of Substantial Completion	Sum			
	Method-Related Charges Accommodation and Buildings, (clause 1.22)				
A311.1	Offices, Fixed Charge	Sum			
A315.1	Canteens and Mess rooms, Fixed Charge	Sum			
	Method-Related Charges, Services				
A321.1	Electricity; Time-related	Sum			
A322.1	Water; Time-related ,	Sum			
A323.1	Security; Time-related	Sum			
A324.1	Hoardings, Fixed Charge	Sum			
	Carried to Collection	BQ/	3		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS A : GENERAL ITEMS				
	Cont'd				
	Method-Related Charges, Plant				
A333.1	Earthmoving, Time related	Sum			
A334.1	Compacting, Time Related	Sum			
A342.1	Paving, Time Related	Sum			
A342.2	Concrete Mixing, Time Related	Sum			
A342.3	Pumping, Time Related	Sum			
	Method-Related Charges, Temporary Works				
A351.1	Traffic Diversion, Fixed Charge	Sum			
A352.1	Traffic Regulation, Fixed Charge	Sum			
A390.1	Provision and removal of project sign boards in accordance with Engineer's Specifications	Nr.	2		
A390.2	As-built drawings (specs clause 1.19) , Fixed Charge	Sum			
	Carried to Collection	BQ/	4		
	Collection		**Page**		
	Carried to Collection from Page	BQ/	3		
	Carried to Collection from Page	BQ/	4		
	CLASS A: GENERAL ITEMS				

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	Carried to GRAND SUMMARY	BQ/	4		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS D: DEMOLITION AND SITE CLEARANCE				
D100.0	General clearance	Sum			
D230.1	Cocunut trees, girth, 2-3 m, cocunut trees	nr.	5		
D230.2	Other trees, girth, 3-5 m	nr.	6		
D523.1	Existing bridge, together with its abutment walls and pier supports, Concrete, Volume 100 - 250 m^3	Sum			
D523.2	Demolish existing drain for realignment O, concrete, volume: not exceeding 25 m^3	Sum			
D513.1	Not withstanding the provision of the CESMM3 the contractor is responsible for the removal of boulders of varied size from excavation area and to store within 500 m of site for possible reuse as directed by the Project Engineer / Contract Administrator	CY	550		
	Treees				

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	DEMOLITION AND SITE CLEARANCE **Carried to GRAND SUMMARY**	BQ/	5		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS E: EARTHWORKS				
	Excavation for Foundations, Material other than rock, or artificial hard material, Maximum depth 1-2 m, commencing at existing ground level				
E324.1	Abutment Wall,	cy	14		
E324.2	Rubble Retaining Wall	cy	7		
E324.3	Gabion Basket @ bridge # 1	cy	136		
E324.4	Gabion Basket	cy	213		
	Excavation for Foundations, Material other than rock, or artificial hard material, Maximum depth 1-2 m, below a body of open water, commencing excavated level				
E324.5	Abutment Wall	cy	35		
E324.6	Rubble Retaining Wall	cy	21		
E324.7	Gabion Basket @ bridge # 1	cy	264		
E324.8	Gabion Basket	cy	412		
	Excavation for Foundations, rock, maximum depth commencing at existing ground level 1-3 m commencing at existing ground level				
E334.1	Abutment Wall,	cy	9		
E334.2	Rubble Retaining Wall	cy	5		
E334.3	Gabion Basket	cy	234		
	Excavation for Foundations, rock, maximum depth commencing at existing ground level 1-3 m below a body of open water, commencing excavated level				
E334.4	Abutment Wall	cy	23		
E334.5	Rubble Retaining Wall	cy	14		
E334.6	Gabion Basket	cy	453		
	General Excavation , Asphaltic pavement, exposed at the commencing surface, maximum depth: not exceeding 250 mm (0'-10")				
E441.1	Between Start and Eastern Approach to Bridge #1	cy	98		
E441.2	Western and and Eastern Approach of Bridge #1	cy	166		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	Carried to Collection	BQ/	6		

Item	Description	Unit	Qty		
	CLASS E: EARTHWORKS Cont'd				
	Excavation ancillaries, preparation of excavated surfaces, Generally (combination of granular material of various sizes obtained from river bed and material other than topsoil, rock or artificial hard material)				
E520.1	Abutment Wall	sy	60		
E520.2	Rubble Retaining Wall	sy	34		
E520.3	Gabion Basket	sy	1046		
	Excavation ancillaries, preparation of excavated surfaces, Material other than topsoil, rock or artificial hard material				
E521.1	Between Start and Eastern Approach to Bridge #1	sy	293		
E521.2	Western and and Eastern Approach of Bridge #1	sy	493		
	Excavation Ancillaries				
	Disposal of excavated material, material other than topsoil, rock or artificial hard material material (existing Sub- base)				
E531.1	Between Start and Eastern Approach to Bridge #1	cy	98		
E531.2	Western and and Eastern Approach of Bridge #1	cy	166		
E531.3	Along road alignment	cy	98		
E531.4	Bridge	cy	10		
E531.5	Rubble Retaining Wall	cy	7		
E531.6	Gabion Basket	cy	256		
	Double handling of excavation material, material other than topsoil, rock or artificial hard material				
E542.1	Between Start and Eastern Approach to Bridge #1	cy	98		
E542.2	Western and and Eastern Approach of Bridge #1	cy	166		
E542.3	Road Works, Along road alignment	cy	98		
E542.4	Abutment Wall	cy	23		
E542.5	Rubble Retaining Wall	cy	12		
E542.6	Gabion Basket	cy	597		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	Carried to Collection	BQ/	7		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS E: EARTHWORKS Cont'd				
	Double handling of excavation material, material other than topsoil, rock or artificial hard material				
E543.1	Abutment Wall	cy	58		
E543.2	Rubble Retaining Wall	cy	35		
E543.3	Gabion Basket	cy	451		
	Filling, to structures, material obtained from site				
E610.1	Rubble Retaining Wall	cy	12		
E610.2	Gabion Basket	cy	501		
	Filling, to stated thickness, imported granular material (3"-5" aggregate),				
E645.1	Abutment Walls, 150 mm - 500 mm, Bridge #1	cy	173		
E645.2	Rubble Retaining Walls, 150 mm - 500 mm	cy	113		
E645.3	Rubble Retaining Walls, 150 mm - 500 mm	cy	20		
E645.4	Gabion Retaining Walls, 150 mm - 500 mm	cy	1725		
	Filling Ancillaries, Trimming of Filled Surfaces generally (combination of granular material of various sizes obtained from river bed and material other than topsoil, rock or artificial hard material)				
E720.1	Rubble Retaining Wall	sy	49		
E720.2	Gabion Retaining Wall	sy	236		
	Filling ancillaries, preparation of filled surfaces, rock				
E720.1	Bridge # 1	sy	45		
E720.2	Rubble Retaining Wall	sy	31		
	Carried to Collection	BQ/	8		
	Collection				
	Carried to Collection from Page	BQ/	6		
	Carried to Collection from Page	BQ/	7		
	Carried to Collection from Page	BQ/	8		
	CLASS E: EARTHWORKS				
	Carried to GRAND SUMMARY	BQ/	8		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS F: INSITU CONCRETE				
	Provision of Concrete designed mix Grade: C10, cement to BS 12, 10 mm aggregate to blinding not exceeding 50 mm thick				
F221.1	Bridge	sy	60		
F221.2	Rubble Retaining Wall	sy	34		
F221.3	Underpinning to existing retaining	sy	11		
	Provision of Concrete, designed mix, Grade: C30, cement to BS 12,20 mm aggregate to:				
F263.1	Abutment Footing	cy	40		
F263.2	Bases, footings, pile caps and ground slabs , thickness 300 mm, Rubble Retaining Wall	cy	13		
F263.3	Abutment Wall	cy	53		
F263.4	Bridge Seat	cy	15		
F263.5	Columns	cy	2		
	Placing of Concrete, mass,: blinding thickness: not exceeding 50 mm.				
F511.1	Bases, Footings, Abutment Wall Foundation, Bridge # 1	sy	60		
F511.2	Bases, Footings, Rubble Retaining Wall	sy	34		
	Placing of Concrete, reinforced:				
F623.1	Bases, footings, pile caps and ground slabs , thickness exceeding 500 mm, Bridge # 1	cy	40		
F623.2	Bases, Footing, Thickness: 300 mm, Rubble Retaining Wall	cy	13		
F632.1	Bridge Seat	cy	15		
F644.1	Abutment walls, thickness: exceeding 500 mm, Bridge # 1	cy	53		
F665.1	Columns, Cross-sectional area:0.25 - 1 m², Bridge # 1	cy	2		
	Carried to Collection	BQ/	9		

Item	Description	Unit	Qty		
	CLASS F: INSITU CONCRETE Cont'd				
	Not withstanding the provisions of the CESMM3 the following should include for Provision of Concrete, design mix, Grade C30, Cement to BS 12 or BS 146. 20 mm aggregate; include for all formwork, reinforcement, placing of concrete and finishes, all necessary excavation, backfilling, disposal excavated material, formwork, weeper hole pipe into walls . all in accordance with drawings and specifications				
	Retaining wall Section - Eastern Side of Bridge # 1				
A	**2'-6" x 8" thick, including for blinding ,** See drawings L2 A03 (Section A-A)	L.F.	170		
B	**8" Thick. R.C. Wall attached to foundation, average height 3'-5" ,** See drawings L2 A03 (Section A-A)	SY	65		
C	**2'-0"x 2'-0" (internal dimensions) Reinforced Concrete Open Box Drain attached to wall.** See drawings L2 A03 (Section B-B RC Wall/RC Open Drain for details)	L.F.	170		
	Retaining wall Section - Western Side of Bridge # 1				
D	**2'-6" x 8" thick, including for blinding ,** See drawings L2 A03 (Section A-A)	L.F.	290		
E	**8" Thick. R.C. Wall attached to foundation, average height 3'-5" ,** See drawings L2 A03 (Section A-A)	SY	116		
F	**2'-0"x 2'-0" (internal dimensions) Reinforced Concrete Open Box Drain attached to wall.** See drawings L2 A03 (Section B-B RC Wall/RC Open Drain for details)	L.F.	150		
	8" Thick. R.C. Wall With Slipper Drain .See drawings L2 A03 (Section A-A)	L.F.	150		
	Carried to Collection	BQ/	**10**		
	Collection				
	Carried to Collection from Page	BQ/	9		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	Carried to Collection from Page	BQ/	10		
	CLASS F: INSITU CONCRETE **Carried to GRAND SUMMARY**	BQ/	10		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS G: CONCRETE ANCILLARIES				
	Formwork rough finish to:				
G142.1	Columns: plane vertical width: 0.1- 0.4 m.(bridge #3)	sy	12		
G143.1	Bases, Footing: plane vertical width: 0.1 - 0.6 m, Rubble Retaining Wall	sy	26		
G143.2	Bridge Seat: plane vertical width:.1-1m	sy	46		
G144.1	Bases, footings: plane vertical width: 0.4 - 1.22 m, Bridge # 1	sy	29		
G145.1	Abutment wall: plane vertical width: exceeding 1.22 m, Bridge # 1, Bridge # 1	sy	109		
G145.2	Bridge Seat: plane horizontal width: exceeding 1.22 m	sy	5		
	Reinforcement deformed high yield steel bars to BS 4449, nominal size in				
G524.1	12 mm in Bridge Seat	lbs	1057		
G524.2	12 mm in Foundation, Rubble Retaining Wall	lbs	483		
G525.1	16 mm in Foundation, Bridge # 1	lbs	2856		
G525.2	16 mm in Abutment, Bridge # 1	lbs	4149		
G525.3	16 mm in Bridge Saet	lbs	1767		
G526.1	20 mm in Foundation, Bridge # 1	lbs	1973		
G527.2	25 mm in Foundation, Bridge # 1	lbs	3725		
	Concrete accessories, Finishing of formed surfaces, other stated surface treatments carried out after striking formwork :				
G823.1	Wood float, Columns, not exceeding 0'-10" wide @ Bridge #3	Sy	12		
G823.2	Wood float, Column capping 225mm x 225 mm @ Bridge #3	Nr	3		
G831.1	Inserts, linear inserts, 25mm x 25 mm thick @ Bridge #3	L.F.	40		
	CLASS G: CONCRETE ANCILLARIES Carried to GRAND SUMMARY	BQ/	11		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS I: PIPEWORK- PIPES				
I511.1	Polyvinyl Chloride (PVC) pipes, nominal bore: not exceeding 200 mm (0'-4"), not in trenches but as weeper holes in retaining wall, average length 3'-3"	L.F.	138		
I761.1	High Density Polythylene pipes, nominal bore 1200 mm diameter, in trenches, depth 2- 2.5 m, spirolite - Century Eslon or approved equal encased in 150 mm thick fible reinforced concrete , include for all necessary formwork	L.F.	60		
	CLASS I: PIPEWORK- PIPES **Carried to GRAND SUMMARY**	BQ/	12		
	CLASS M: STRUCTURAL METALWORK				
	Not withstanding the provisions of the CESMM3, the following should include for transportation and installation of all Prefabricated Bailey Bridge members and sundries to be supplied by Client all in accordance with the drawings and specifications.				
M540.1	Erection of members for Bailey Bridge, temporary bypass bridge,	SUM	1		
M540.2	Extra over ditto for installation of Timber Plank members for carriageway/ decking	SUM	1		
	CLASS M: STRUCTURAL METALWORK **Carried to GRAND SUMMARY**	BQ/	12		
	CLASS N: MISCELLANEOUS METALWORK				
	Hand rails				
N140.1	3" dia. galvanized pipe painted on completion with one (1) coat epoxy primer and two (2) coats of oil paint (Bridge #3)	L.F.	40		
N140.2	Extra over ditto for brackets	Nr	4		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
N140.3	3" dia. galvanized 90 degree elbow	Nr	4		
	CLASS N: MISCELLANEOUS METALWORK **Carried to GRAND SUMMARY**	BQ/	12		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS R: ROADS AND PAVEMENTS				
	Sub-base, flexible road bases and surfacing Granular material DTp Specified type crusher run base,				
R114.1	Quarry Waste Sub-base, Depth 200- 500 mm between Western and and Eastern Approach of Bridge # 1	cy	83		
R114.2	Graded crushed stone road base, Depth 100 mm, Between Start and Eastern Approach to Bridge # 1	cy	91		
R114.3	Graded crushed stone road base, Depth 100 mm, Western and and Eastern Approach of Bridge # 1	cy	97		
R233.1	Dense Bitumen Macadam 60-100 mm, Graded crushed stone road baseBy-Pass Road stabilization and maintenance	sy	1232		
	Rolled Asphalt, Depth: 2"				
R322.1	Between Start and Eastern Approach to Bridge # 1	sy	462		
	Bitumen prime coat, depth of penetration 25 mm				
R335.1	Between Start and Eastern Approach to Bridge # 1	sy	308		
	Joints				
R514.1	Joints in concrete pavement, longitudinal joints, Depth of joints: 150 mm	L.F.	150		
	Not withstanding the provisions of the CESMM 7 include for all necessary Earthworks, reinforcement and finishes (wire mesh m.s)				
	Concrete Pavements, other Carriageway Slabs, strength 4000 psi, depth:				
R435.1	150 mm between Western and and Eastern Approach of Bridge # 1	sy	477		
	Steel Fabric Reinforcement to BS4483, nominal mass of suitable heavy duty quality				

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
R450.1	Between Western and and Eastern Approach of Bridge # 1	sy	477		
	Carried to Collection	BQ/	14		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	Not withstanding the provisions of the CESMM 7 include for Earthworks for Kerb, channels and edgings, In situ concrete kerbs and edgings, straight or curved to a radius exceeding 12 m, cross sectional dimension:				
R661.1	2'-0" x 1'-2" thick in accordance with drawings L1 S08 & See drawings L2 A03 (Section A-A)	L.F.	140		
R661.2	Reinforced concrete kerb constructed of 0'-8" thick standard mix concrete (1:2:4), See drawings L2 A03 (Section B-B RC Wall With R.C Open Drain)	sy	19		
	Light duty pavements,				
R775.1	Reinforced insitu concrete, strength: 2500, depth 100-150 mm entrances to private premises, all in accordance with Engineer's Drawing and Specifications	sy	10		
	Ancillaries				
R812.1	Ancillaries, Traffic Signs, illuminated	Nr.	10		
	Carried to Collection	BQ/	15		
	Collection				
	Carried to Collection from Page	BQ/	13		
	Carried to Collection from Page	BQ/	14		
	Carried to Collection from Page	BQ/	15		
	CLASS R: ROADS AND PAVEMENTS **Carried to GRAND SUMMARY**	BQ/	15		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS U: BRICKWORK, BLOCKWORK AND MASONRY				
	Rubble masonry				
U824.1	Average thickness: 3'-4", battered straight wall, rubble size: 6"- 8" square, type of mortar: 1:3 mix, pattern of bond: cut-stone all in accordance	cy	75		
U871.1	Surface features, copings, 25 mm thick cement and sand, wood float finished, 1'-2" girth Rubble wall	L.F.	50		
	CLASS U: BRICKWORK, BLOCKWORK AND MASONRY **Carried to GRAND SUMMARY**	BQ/	16		
	CLASS W: WATER PROOFING				
	Geotextile **Non woven needle punched polyester fabric, DTp specified to general surfaces of the follow as specified in drawings,**				
W130.1	Gabion Retaining Wall	sy	4869		
W130.2	Rubble Retaining Wall	sy	56		
	CLASS W: WATER PROOFING **Carried to GRAND SUMMARY**	BQ/	16		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS X: MISCELLANEOUS WORK				
	Rock filled gabions, boxes of stated size 3'x ' 3' x 6', boulder size 6"- 8" all in strict accordance with Engineer's Specifications & Drawings:				
X410.1	Imported fill material, rock size 6"- 8" including cost for installation of gabion baskets.	cy	3436		
X410.2	Gabion boxes, size: 3'-0"x 3'-0" x 6'-0" long all in accordance with drawings and specifications (transport, fabrication and install gabions only)	nr	1761		

THE GOVERNMENT OF ST.VINCENT AND THE GRENADINES
MINISTRY OF TRANSPORT, WORKS etc.
REHABILITATION OF CONGO VALLEY ROADS AND BRIDGES , LOT 1&2
LOT 2: REHABILITATION OF CONGO VALLEY BRIDGE

Item	Description	Unit	Qty		
	CLASS X: MISCELLANEOUS WORK **Carried to GRAND SUMMARY**	BQ/	17		