

ANNEX-B1-LOT NO 1 (BILL OF QUANTITIES)

Construction of wing wall to Strengthening Existing culvert Saranan RV, and construction of 30 inch 2 cell pipe culvert DISTRICT PISHIN							
Sr.#	Description of work	Unit	No.	L	B	D/H	Quantity
1	Excavation work: Earthwork excavation in open cutting upto 1.5 m depth for storm water channels, drains, sludge drains in open area, roads, streets, lanes including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches dressed to designed level and dimension, trimming, removal of surface water from trenches, back filling and disposal of surplus excavated material upto 15 m.						
	Wing Wall 1st Step	cft	1	100	5	10	5000
	Clearing extra soil from culvert	CFT	1	85	20	2	3400
	Total						8400
2	Foundation work PCC 1:4:8						
	Providing and laying cement concrete using shingle or bajri 19 mm (3/4") 1:4:8 and down gauge in foundation including leveling compacting and curing.						
	Wing Wall	Cft	1	100	4	0.334	133.6
	Total						133.6

3	coursed rubble masonry in 1:2:4						
	Providing, dressing and laying coursed rubble masonry in foundation, plinth and basement including scaffolding and curing. In Cement, Coarse Sand mortar 1 : 3						
	Wing Walls + Apron Step	Cft	2	100	1	5	1000
	Wing Walls + Apron Step 2	Cft	2	100	1	4	800
	Wing Walls + Apron Step 3	Cft	2	100	1	3	600
	Wing Walls + Apron Step 4	Cft	2	100	1	2	400
	Total						2800
3	Plum concrete						
	Providing and laying plum concrete using approved coarse sand and crushed aggregate 1-1/2" (38 mm) & down gauge with 30% boulders including levelling,						
	Wing Walls + Apron Step	Cft	2	100	4	5	4000
	Wing Walls + Apron Step 2	Cft	2	100	3.5	4	2800
	Wing Walls + Apron Step 3	Cft	2	100	3	3	1800
	Wing Walls + Apron Step 4	Cft	2	100	2	2	800
	Total						9400
4	Copping work						
	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in precast shelves coping, cornices, eave boards, hood, fencing posts and manhole covers etc. i/c formwork & its removal, compacting & curing in ground floor.						
	Check struture top stone cover	Cft	1	100	2	1	200
	Bed Slab proper chamber	Cft	1	80	20	0.5	800
	culvert side paraphet wall	Cft	2	80	0.75	1.5	180
	Total						1180

2-CELL PIPE CULVERT 30 inch dia							
1)	Excavation in foundation of buildings, bridges and otheres 'structures l/c degbelling, refilling around the structure watering and raming						
	Bed Slab	1	32.000	10	5.000	48.00	
	Wing Walls + Apron	4	4	2	3.000	13.00	
	Total					61.00	CFT
2)	Providing and laying 1:4:8 cement concrete using shingles or bajri 3/4" and down gauge in foundation l\c compacting levelling and curring						
	Bed Slab	1	32.000	3	0.334	36.33	
	Wing Walls + Apron	4	4	2	0.334	10.33	
						46.67	CFT

3)	Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and down gauge in foundation i\c formwork compacting levelling and curring						
	Bed Slab	1	32.000	10	1.000	44.00	CFT
	Total					44.00	Cum
4)	Providing and laying R.c.c pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 Class ii wall B or BS 3911 part 1 class M i\c the cost of reinforcement						
	two cells two pipes 30 inch						
		2	32.000	----	----	64.00	RFT
						64	RFT

5)	Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and down gauge in wall \c formwork compacting levelling and curring.							
	Aabutment walls	1	32.000	8	1	42.00		
	Wing Walls	4	4	2	1	11.00		
	Parapet wall	1	8	1	2	12.00		
	TOTAL					(A)	65.00	CFT
	Deduction for Pipe	2	32.000	2.5	0.469	36.97		
	TOTAL					(B)	36.97	CFT
	Net Quantity = (A - B)				65.00	36.97	28.03	CFT