

DESIGN AND BUILT OF TWO PEDESTRIAN BRIDGES ON (SHEIKH AMMAR ST- SHEIKH Rashid Bin Abdulaziz ST) - AJMAN					
Item	ITEM DESCRIPTION	unit	Quantity	Unit rate	Amount
SHEIKH AMMAR ST					
1	Consultancy works prepare perspective (Two options), Architectural & structural drawings, structural calculation, B.O.Q, general & special specifications and Authorities approvals.	L.S	1		
1.1	PRELIMINARIES&MOBILISATION Trial pits, dewatering, project sign, soil test, Site safety requirements)	L.S	1		
2	Civil works				
2.1	Excavation for foundation up to required depth (including dewatering, shoring ,waste disposal , ...)	L.S	1		
2.2	Foundations works Construction of piles(dia, length as the approved drawings) including Pile Head treatment and Testing of piles (dynamic only).	L.S	1		
2.3	10 cm thick PCC under Pile Cap (Grade 15/28 Sulphate resisting- cement (SRC) of 250 kg/m3.	L.S	1		
2.4	Pile Cap (Reinforced in-situ Concrete, Grade 40/28 sulphate resisting cement(SRC) of 400 kg/m3 with water cement ratio 0.42 including formwork.)	L.S	1		
2.5	Lift pit concrete wall (diminsion& depth) as approved drawing.	L.S	1		
2.5	Membrane waterproofing to all underground foundations	L.S	1		
3	Metal works				
3.1	Steel structure material of \Grade EN 1002505275 JR\ for (columns , main walkway beams, platform, staircase, flooring plate, handrails, angle bracing, connection plates, stiffener plates, base plate, and roof system materials, etc ---- , with all works of manufacturing according global standards as B.S, for span (45 to 52)m	L.S	1		
3.2	Steel structure material of \Grade EN 1002505275 JR\ for (columns , main walkway beams, platform, staircase, flooring plate, handrails, angle bracing, connection plates, stiffener plates, base plate, and roof system materials, etc ---- , with all works of manufacturing according global standards as B.S, for span (55 to 65)m.	L.S	1		
3.3	Erection of pedestrian walkway bridge incuding its stair cases	L.S	1		
4	Electrical and Mechanical works Standard flourecent lighting inside the bridge with all requirements (light units -distribution box- lift machiens' connectores etc., all wires , ducts, DB, must be approved type. Requirements of electrical supply from ETHAD are included.	L.S	1		
4.1	Supply and install Elevators from approved company as (Mitsubishi, OTIS, Sigma, or equivalent) with ten persons capacity minimum .	L.S	4		rate only
4.2					
5	External Works				
5.1	Removing and and damped intrlock tiles				
5.2	Removing and damped concrete kerb.				
5.3	80mm thick interlock of approved quality , colour and shape for paving over well compacted road base.	L.S	1		
5.4	supply and lay precast oncrete kerb including bedding and hunching and painting completely.				
6	Finishes				
6.1	Top coat Painting	L.S	1		
6.2	Aluminum cladding and decoration as approved drawings.				
SHEIKH Rashid Bin Abdulaziz ST					
1	Consultancy works prepare perspective (Two options), Architectural & structural drawings, structural calculation, B.O.Q, general & special specifications and Authorities approvals.	L.S	1		
1.1	PRELIMINARIES&MOBILISATION Trial pits, dewatering, project sign, soil test, Site safety requirements)	L.S	1		
2	Civil works				
2.1	Excavation for foundation up to required depth (including dewatering, shoring ,waste disposal , ...)	L.S	1		
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Total					