SECTION 5 : EXCUSION OF SEWAGE WORK

A: excusion of Doura II Pumping Station and Duplicate West Trunk Sewer

CODE NO	DESCRIPTION	QTY
13-02-00001	Excution of the Doura II pumping station which is designed to lift combined sewage flows from the new duplicate west trunk sewer through triple rising mains into the kerkh sewage treatment works the works includes the folloing units	
	Doura II Pumping station	
	inlet distribution chamber	
	Three screen chamber with mecanically raked screen and conveyors	
	main pump building housing, nine sewage pump sets and	
	incorporating wet well , dry well , motor room with service room	
	valve chamber on outgoing rising mains	
	High voltage switch gear and transformer building	
	stand -by generators with diesel storage tanks	
	siteroadworks fencing and seivvces	
	Duplicate West Trunk Sewer	
	the works comprise the complete construction of a pvc-lined in-situ concrete trunk sewer including Manholes , varying from 2.8m dia to 3.6m dia total length 7.3 km approximately	
	triple 1.6 m dia .ductile iron rising mains total length 4.5 km approximately .	
	the scope of the work for the comelete construction of the works as detaild in the specification , bills of quantities and drawings which can be obtained from amanat Bagdad.	

B: EXCUSION KERKH SEWAGE TREATMENT WORKS/ STREAM 7

CODE NO	DESCRIPTION	QTY
13-02-00002	excution of stream 7 (second extention) in KERKH sewage treatment plant . The scope of the work for the complete construction of the works as detailed in the specification,bills of quantities and drawings which can be obtained from Amanat Baghdad including the Mechanical and Electrical equipment , testing and commissioning the plant and maintenance of the work for the period stated in the conditions of the work .	
	The work comprise stream 7 for sewage and sludge treatment , storm tanks,effluent puping station and out fall culvert.	
	the following units are included :	
	1- Inlet channels and pre- aeration	
	2- Detritors	2
	3- primary settlement tanks and distribution chamber	4
	4- Aeration tanks.	(24 pockets)
	5- Final settlement tanks and distribution chamber.	4
	6- Return activated sludge pumping station.	
	7- Chlorination building .	
	8-Channels and cluverts,pipelinesinUPVC,GRPand ductilel Iron	

9- Effluent pumping station .
10-Outfall culvert (2.8 km)apron .
11-Storm tanks .
12-Raw and thickened sludge pumping stations.
13-Sludge thickening tanks 2
14-Modifications to existing sludge lagoons.
15-Site drainage pumping station and pipeline .

16-wash water pumping station(equipment only)work shops etc .
17-Electricits sub station and stand by generator buldings 3
18-Site water drainage service .
19-Site roads , foot paths, embankments. Lands caping etc
20-Site lighting, telephone and telementry system.