

Tender Reference :		T/13DBI/91D/AS1/Mafrag/EU MADAD WASH/03092019											
ITEM	DESCRIPTION	UNIT	QTY.	RATE IN		Tax	RATE IN		AMOUNT		Origin of materials		
				FIGURES			FIGURES		JD			FILS	
				JD	FILS		JD	FILS	JD	FILS			
				Excluding Tax	percentage	Including tax							
PIPING AND ACCESSORIES													
1	<u>The prices for piping includes all necessary survey works performed by a certified surveyor and approved by the Engineer prior to pipeline implementation in compliance with WAJ regulations, the Price also includes</u> Supply and installation of 100mm Diameter DI pipes C40 (according to EN 545:2010) as well as HDPE 63mm 16 bar and/or 20 bar as shown below. as requested and according to the specifications and locations assigned by the supervision team. The price includes Excavation of pipe trenches in all Type of soil, rock, concrete and asphalt.... Etc. according to the technical specification and restore the situation with leveling, back filling & compaction, in addition to securing it with (suwaleih) sand below & above the pipe with magnatic warning tabe. Backfilling must be according to the specifications WAJ, excavation debris must be removed to outside approved location. The price includes also the pouring concrete for horisintal crossing, in addition to connect existig pipelines with new proposed pipe lines including all Tees, connectors, elbows, adabters and all needed parts, welding and insulation (in case of connecting to current pipeline made of steel). the price also includes the Washing, chlorination and pressure testing as well as all other standard test Performed by YWC (Yarmouk water company) laboratories directorate. In MOPWH areas, the MOPWH specifications for excavations and restoring situations shall be applied and this must be part of unit rate price. The work shall be done according to the instructions of the engineer/ site engineer and all needed items including the connection of existig lines and all of needed items as follows:												
1.a	Supply, Excavate and lay down DN100 DI in Asphalt, tiles or concrete surfaces	meters	5										
1.b	Supply, Excavate and lay dow DN100 DI in sealing coat surface	meters	5										
1.c	Supply, Excavate and lay dow DN100 DI in natural ground or MC treated surfaces	meters	500										
1.d	Supply, Excavate and lay dow Polyethylene Pipes 63mm, 16 bar presuure diameters in Asphalt, tiles or concrete surfaces.	meters	50										
1.e	Supply, Excavate and lay dow Polyethylene Pipes 63mm, 16 bar presuure diameters in sealing coat surface	meters	170										
1.f	Supply, Excavate and lay dow Polyethylene Pipes 63mm, 16 bar presuure diameters in natural ground or MC treated surfaces	meters	400										
1.g	Supply, Excavate and lay dow Polyethylene Pipes 63mm, 20 bar presuure diameters in Asphalt, tiles or concrete surfaces.	meters	150										
1.h	Supply, Excavate and lay dow Polyethylene Pipes 63mm, 20 bar presuure diameters in sealing coat surface	meters	150										
1.i	Supply, Excavate and lay dow Polyethylene Pipes 63mm, 20 bar presuure diameters in natural ground or MC treated surfaces	meters	1000										
2	Supply and execute Connection of proposed 4" Diameter pipeline to existing 4" ,125mm Diameter pipeline including Supply and install 4" Diameter valve (PN 25) and surface box and PVC Tube between valve and steel surface rod. including supply and install all necessary pieces and accessories as well as reinstatement to the original conditions all as per technical specifications, Drawings and Engineer instructions.	meters	1										
3	Supply and execute Connection of exiting 2" Diamete or 63 mm pipeline to the proposed 63 mm Diameter pipeline including Supply and install 2" diameter valve (PN 25) and surface box and PVC Tube between valve and steel surface rod. including supply and install all necessary pieces and accessories as well as reinstatement to the original conditions all as per technical specifications, Drawings and Engineer instructions.	No.	2										
4	Supply and install Gunmetal saddle and ferrule from proposed 100 mm Diameter main pipe to Connect 2" or 63mm Diameter sub line includes supply and install all necessary pieces and accessories as well as reinstatement to the original conditions.	No.	1										
Total Carried to Project Summary													
ITEM	DESCRIPTION	UNIT	QTY.	RATE IN		Tax	RATE IN		AMOUNT		Origin of materials		
				FIGURES			FIGURES		JD			FILS	
				JD	FILS		JD	FILS	JD	FILS			
				Excluding Tax	percentage	Including tax							
PIPING AND ACCESSORIES													
5	Supply and install 40mm Diameter Air release valve (PN 25) including 900mm Diameter Manhole (to be connected to the proposed 100 mm pipe line) as per technical specifications, Drawings and Engineer instructions.	No.	1										
6	Supply and install 125mm Diameter Washout HDPE including 4" valve (PN 25) surface box with PVC Tube between valve and surface rod as per technical specifications and Drawings, includes 90cm Diameter Concrete Manhole and cover when the washout is inside residential neighborhoods, or Wadi washout outlet as per technical specifications, Drawings and Engineer instructions.	No.	1										
7	Supply and cast Reinforced Concrete (RCE) (250Kg/cm2 after 28 days) Encasement to water and wastewater Pipes of any type or depth including Steel Reinforcement, excavation, shuttering and reinstatement as indicated in drawings, and according to Engineer's instruction.	m3	1										
8	Supply and install pressure reducing valve (PVR) on the existig 2" pipe (its output to be connected to the proposed 63 mm pipeline) and the contractor must calibrate it so that the pressure does not exceed 3 bar as indicated by the engineers and incudes the manholes and any needed materials.	No.	1										
Total Carried to Project Summary													
Total Price excluding tax in JOD													
TOTAL MATERIALS COST ONLY JOD													

BOQ Summary

No.	Description	Total JD	
		in figures	in writing
	Total		
	Decrease or Increase Percent (Discount or Addition)		
	Net Total after (Discount or Addition)		

Sum of:..... Jordanian Dinars only

Contractors Name and signature

Date:/...../2019