



ITEM	DESCRIPTION	UNIT	QTY.	RATE IN		RATE IN		AMOUNT WITHOUT TAX	
				FIGURES		FIGURES			
				JD	FILS	JD WITH OUT TAX	FILS	JD	FILS
<b>1</b>	<b>PIPING AND ACCESSORIES</b> <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 150mm Diameter DI pipes C40 (EN 545:2010) as well as 63mm and 180mm Diameter polyethylene pipes conforming to WAJ standard specifications for polyethylene, the price includes everything required to complete the works. The price includes but necessary limited to: Shop and as built Drawings Excavation of pipe trenches in all Type of soil, rock, concrete and asphalt.... Etc. Pipe and accessories sampling to test at RSS (Royal Scientific Society of Jordan) or other labs approved by MBWH (Ministry of Public Works and Housing) to report its conformity to the specifications. Washing chlorination and pressure testing as well as other standard test Performed by YWC (Yarmouk water company) laboratories directorate. Backfilling of trench with imported material, compaction in layers of 15cm, reinstatement of surfaces. Magnified identifier tape or electronic identifier. Disposal of un needed excavated material to a place approved by the concerned municipality Encasement of road crossing using concrete of 250kg/cm2 Installation of all required fittings (tapers, tees, crosses, bends, blank flanges, flange adaptors.... etc.). Regarding the roads of MBWH the unit price includes all the Excavation, backfilling, compaction and encasement to be inconformity with technical specification and instructions of MBWH.								
<b>1.a</b>	DN150 DI in Asphalt, tiles or concrete surfaces	M.R	1200						
<b>1.b</b>	DN150 DI in sealing coat surface	M.R	50						
<b>1.c</b>	DN150 DI in natural ground or MC treated surfaces	M.R	50						
<b>1.d</b>	Polyethylene Pipes 180mm diameters in Asphalt (MPWH), tiles or concrete surfaces.	M.R	30						
<b>1.e</b>	Polyethylene Pipes 180mm diameters in sealing coat surface.	M.R	30						
<b>1.f</b>	Polyethylene Pipes 180mm diameters in natural ground or MC treated surfaces.	M.R	540						
<b>1.g</b>	Polyethylene Pipes 63mm diameters in all surfaces.	M.R	100						
<b>2</b>	Connect 150mm Diameter pipeline to existing 300mm Diameter pipeline including Supply and install two 6" diameter valve (PN 25) and surface box and PVC Tube between valve and 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.	L.S	1						
<b>3</b>	Connect 150mm or 180mm Diameter pipeline to existing 4" Diameter pipeline including Supply and install 4" Diameter valve (PN 25) and surface box and PVC Tube between valve and 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.	L.S	5						
<b>Total Carried to Project Summary</b>									

ITEM	DESCRIPTION	UNIT	QTY.	RATE IN		RATE IN		AMOUNT WITHOUT TAX	
				FIGURES		FIGURES		JD	FILS
				JD	FILS	JD WITH OUT TAX	FILS		
4	Supply and install Gunmetal saddle and ferrule from proposed 180mm or 150mm Diameter main pipe to Connect 2" or 63mm Diameter sub line including 2" valves and surface box and PVC Tube between valve and surface rod includes supply and install all necessary pieces and accessories as well as reinstatement to the original conditions.	No	4						
5	Supply and install Gunmetal saddle and ferrule from proposed 180mm or 150mm 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.	8						
6	Supply and install 40mm Diameter Air release valve (PN 25) including 900mm Diameter Manhole as per technical specifications, Drawings and Engineer instructions.	No.	3						
7	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.	L.S	1						
8	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	4						
Total Carried to Project Summary									

## BOQ Summary

No.	Description	Total JD	
		in figures	in writing
	Total with tax		
	Total without tax		
	Decrease or Increase Percent ( Discount or Addition)		
	Net Total after ( Discount or Addition)		

Contractors Name and signature .....

Date: ...../...../2018