

INDENT NO : 58.12.4138

ITEM	DESCRIPTION	UNIT	QUANTITY
	P .D Flowmeters For Test Separaters		
1	- Rotary Vane type , double case positive displacement (P.D) flowmeter with suitable strainer as flowing specifications :- Max . Flowrate : 14M³/H (at least) Min . Flowrate : Not more than 2M³ / H Accuracy : ± 0.5% (or better) Max . Operation pressure : 30 bar (at least) Max . Operation Temperature : 80°C (at least) Max . Viscosity : 80 CST Connection : Flanges 2"× 300 RF Materials of Construction :- - Inner unit housing and cover : cost iron (or better).	SET	15

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	- Rotor and block , Bearings , Shaft , cam and pins : stainless steel. Basket Strainer : Each flowmeter must be completed with same size in line steel strainer inner basket - 40mesh stain less steel end connection 2"× 300 RF. Accessories : - E - Pulse transmitter large numeral counter flame proof enclosure . - Large numeral reset counter 5 digit in 0.1M³ with right hand wheel . - Non reset totalizer 8 digit in 0.1M³.		
2	Same as item (1) but : Max . Flowrate : 60 M³/H (at least) . Min . Flowrate : Not more than 8.5M³/H . End connection : Flanges 3"× 300 RF . Strainer connection : Flanges 3"× 300 RF.	SET	10
	<u>Spare Parts</u> Spare Parts for five years operation must be included with scop of supply. The spare parts list must be itemized and priced and should be included the main and important parts .		
	<u>Meters calibration</u>		

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	Each flow meter should be calibrated individually at the manufactures facilities with calibration certificate .		
	<u>Ambient condition</u> - Ambient temp (outdoors) : MIN (-5)C : MAX (60)C : - Relative humidity : MIN (20%), MAX (95%) . The flowmeters should be suitable to operate in open air where site environmental conditions are characterized by sand storm . Atmo.pressure:1020M bar Rain interval: November to end of march . Snow : not to be seen . Wind velocity : 140 KM/hr. Design wind velocity : 160 KM/hr .		
	NOTES: 1 - Third party inspection certification must be issued by one of the following inspection companies : 1- Bureau veritas .		

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	2- Saybolt . 3- Det norske veritas . 4- Inter Tech . 5- German ische Liody Italia. 2 -Supplier is requested to submit offer with full technical details . 3 - All necessary document should be provided. 4 - The country of origin , delivery period , the validity , the number and the date of offer should be mentioned in the offers . 5 - All equipments should be H2S resistance according to NACE. 6 - The goods to be supplied to MOC warehouse (CIP MISSAN) . 7 - The manufacturer should submit origin certificate approved by commerce& industry chamber of the country of origin & commercial invoices, origin certificate should authenticated & stamped by Iraqi conciliate .		
	<u>ORIGIN OF MATERIALS :</u>		
	USA , GERMANY , ITALY , FRANCE , UK , JAPAN , SWEDEN & HOLLAND		