

KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL REPUBLIK INDONESIA

DIREKTORAT JENDERAL MINYAK DAN GAS BUMI

Gedung Plaza Centris, Jalan H.R. Rasuna Said Kav. B – 5, Jakarta 12910

Tromol Pos : 1296/Jkt 100.12

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Lampiran Surat Nomor : 27086 / 19.11/DMT/2010 / SKT. No. 0753 /SKT- 02/DMT/2010

Tanggal : 26 Oktober 2010

**DAFTAR PERSETUJUAN TEKNIS  
ALAT UKUR MINYAK DAN GAS BUMI**

NAMA PERUSAHAAN	NAMA/MEREK/TIPE ALAT UKUR	KETERANGAN
<p>PT.CONTROL SYSTEMS</p> <p>Penanggung Jawab : Ir. Djoni Lukman</p>	<p><b>1. Brooks :</b></p> <ul style="list-style-type: none"> <li>a. Turbine Meter</li> <li>b. Compact Prover</li> <li>c. Perlengkapan Sistem meter turbine</li> <li>d. LACT ( Lease Automatic Custody Transfer )</li> </ul> <p><b>2. Daniel :</b></p> <ul style="list-style-type: none"> <li>a. Orifice Fitting tipe : Junior, Senior dan Flange</li> <li>b. Orifice Plate</li> <li>c. Ultra Sonic Meter Gas dan Liquid Tipe : Senior Sonic, Junior Sonic</li> <li>d. Ultra Tap</li> <li>e. Liquid Turbine Meter</li> <li>f. Meter Prover Bi Directional dan Uni Directional</li> <li>g. Flow Computer tipe : series 2500, S500, S600</li> <li>h. Gas Chromatographs</li> <li>i. Perlengkapan Sistem Meter</li> <li>j. Preset Controller / PetroCount tipe : SMS dan IMS, Danload Series</li> </ul> <p><b>3. Rosemount :</b></p> <ul style="list-style-type: none"> <li>a. Pressure Transmitter 3051 series</li> <li>b. Differential Pressure Transmitter 3051 series</li> <li>c. Pressure Transmitter 2051 series</li> <li>d. Differential Pressure Transmitter 2051 series</li> <li>e. Temperature Transmitter 3144 series</li> <li>f. Temperature Transmitter 644 series</li> <li>g. Temperature Transmitter 248 series</li> </ul>	

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	<p>h. Magnetic Flowmeter 8700 Series i. Vortex Flowmeter 8800 Series</p> <p><b>4. Fisher Control :</b></p> <p>a. Flow Computer Floboss series &amp; ROC series b. Perlengkapan Sistem Meter</p> <p><b>5. SAAB Rosemount :</b></p> <p>a. SAAB Tank Radar CTS G3 system b. G3 Parabolic radar gauge c. G3 cone radar gauge d. Perlengkapan SAAB tank radar CTS G3 system</p> <p><b>SAAB Tank Radar StaR System :</b></p> <p>a. StaR TGU 5110 parabolic b. StaR TGU 5210 cone c. Work station Unit ( presentation of level, volume and more, CTS report, alarm handling ) d. StaR G3 level unit perlengkapan</p> <p><b>SAAB Tank Radar Gauging RTG 39xxx system :</b></p> <p>a. RTG 3920 horn, untuk atap tetap b. RTG 3930 parabolic untuk atap tetap c. RTG 3940 horn antenna for steel pipe, untuk atap terapung terbuka &amp; tertutup d. RTG 3950 horn antene for steel pipe, untuk tangki LPG bertekanan &lt; 10 bar e. RTG 3950 for steel pipe array antene, untuk "Floating Roof Tank" crude oil, gasoline product f. RTG 3960 horn antene for steel pipe untuk tangki LPG bertekanan &lt; 40 bar g. Perlengkapan SAAB tank radar RTG sistem</p> <p><b>Rosemount Tank Radar Raptor 5900 series, with:</b></p> <p>- Parabolic antenne, Horn antenne, Steel pipe array antenne and LPG/LNG antenne</p>	
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	<p><b>Accessories:</b></p> <ul style="list-style-type: none"><li>- 2410 Tank Hub, 2340 Graphical Display, 2240S multi input temperature transmitter</li><li>- MST 565, MST 566, MST 765</li></ul> <p><b>6. Micro Motion :</b></p> <ul style="list-style-type: none"><li>a. Elite ( CMF 010,CMF 010P, CMF 025, CMF 050, CMF 100, CMF 200, CMF 300, CMF 400 dan CMF HC3 ).</li><li>b. CNG untuk Gas alan bertekanan</li><li>c. Model "D" ( DH 25, DH 38, D 100, D 150, D 300 dan D 600 )</li><li>d. Model " DT" ( DT 65, DT 100, DT 150 )</li><li>e. R - series, T-series, F- series</li><li>f. Density meter model : 7835, 7845, 7846, 7847, 7812, 7826, 7828.</li><li>g. Specific Gravity meter untuk Gas : model 3098</li></ul> <p><b>Transmitter &amp; Mesurement Computer :</b></p> <ul style="list-style-type: none"><li>a. Series 1000, series 2000 &amp; series 2000</li><li>b. RFT 9739</li><li>c. Series 7950, 7951, 7965</li></ul> <p><b>7. Bristol :</b></p> <p><b>Remote Automation Solusions</b></p> <ul style="list-style-type: none"><li>a. <b>RTUs / Flow Computer :</b> ControlWave, CW remote, Control Wave Micro, Control Wave Parts, Control Wave Ethernet I/O, Control Wave LP, ControlWave Spares/ accessories, ControlWave Expres/PAC, CW XFC, CW CFM/GFC/GFC Plus, GFC sensor, GFC spares &amp; accessories, CW corrector, Tele RTU</li><li>b. <b>Software</b> Workbench, OpenBSI, Harvester,UOI WebBSI, OPC server, PocketBSI, Security vision,Open enterprise, Iconics genesis, ( buy out), FlowCal ( buy out)</li><li>c. <b>RTUs / Flow Computer</b></li></ul>	
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	3530-15/25/35 TeleRTU, CW10/CW30 3332, DPC3335/RIO 3331, RTU3340, 33xx spares and accessories, 3530- 15/25/35 TeleRTU, CW10/CW30 Covergence, Transmitter, Pnuematic Instrument, Analog Instrument (Recorder)	
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Direktur Teknik dan Lingkungan Migas



*[Handwritten Signature]*  
Ir. Bambang Sumarsono *pb*  
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