Specifications for VersaProbe II H system service contract

The Smart Sensing and Electronics System branch at NASA Glenn Research Center (GRC) at Lewis Field focuses on developing silicon carbide (SiC) integrated circuits (ICs) and sensors for aerospace applications. NASA GRC is requesting renewal for maintenance contract of a VersaProbe II H system for surface analyses of materials used in development of the ICs and sensors.

Requirements for contract:

1. Must be with the OEM or authorized representative
2. Must be for one (1) year
3. Must include one (1) preventative maintenance (PM) visit
4. Must cover repair of the following parts at no additional charge:
    a. ASSY-XTAL HEATER CONTROL
    b. SPM3V6A6D4, POWER-ONE SUPPLY
    c. MAGNETIC TRANSFER ROD-23 INCH
    d. ASSY-TSP CTRL,PHI VER,SIDE OUT
    e. ASSY-SYSTEM VACUUM CONTROLLER
    f. ASSY-OVEN/PNEU CNTRL,SEMI/CE
    g. METER-PICOAM,AUTORANGE
    h. QASSY, XRAY SOURCE, QUANTERA
    i. ASSY-CARD RACK PWR SPLY,CE97
    j. MOD 04-040 MICROSCOPE 83852MOD 11-425, E BEAM PWR SPLY, 110 VAC
    k. CHAMBER VERSAPROBE, SUS
    l. ASSY-SHUTTER,LENS,36-500
    m. X-RAY ANODE W/COLLECTOR,36-500
    n. ASSY-HTR,CERAMIC,BAKING,1KW,24
    o. ASSY-HTR,CERAMIC,BAKING,1KW,24
    p. ASSY-HTR,CERAMIC,BAKING,1KW,24
    q. ASSY-HTR,CERAMIC,BAKING,1KW,24
    r. ASSY-LENS CONTROL,VERSA
    s. ASSY-LENS/ANALYZER,VERSA
    t. PUMP-ROT V,GLD-136C,1PHA
    u. PUMP-ROT V,GLD-136C,1PHA
    v. ASSY-ION PUMP,240L/S,D-I,SC,TS
    w. MOD 50-010 SYS PWR DISTRIBUTION
    x. MOD 50-011 SYSTEM POWER CNTRL, VERSA
    y. IASSY, 06-350E ION SOURCE, VP version
    z. HYDRAULIC LIFTER,FXS-VERSA
    aa. MOD 15-5000 MTR STAGE,;45/-45D
    bb. PUMP-TURBO,HIPACE80 W/TC110
    cc. KIT-UPDT,TURBN-PUMP,16-050A
    dd. CAMERA-CMOS,COLOR USB DFK42AUC03
    ee. CNTL,BRAX3400,W/O PWR
    ff. CHILLER-AIR COOLED, 1.3KW, 3BAR, RKS402J-MV
    gg. ASSY-ANALYZER CTRL,MOD20-376A,TESTED
    hh. ASSY-GAUZE LENS CTRL,MOD20-450,TESTED
    ii. SFTWR-MULTIPAK,V9.9
    jj. ASSY-E-NEUT CTRL,MOD742A W/BRKT,TESTED
    kk. CAMERA-acA4024-8gc
    ll. LENS-STD,16MM,F2.0,Basler C23-1620-5M-P

mm. DIGITEL MPC-500MA,W/TSP OPT
nn. PS-TURBO,PFEIFFER,TPS110,ROHS
oo. ASSY-TERMINATOR,SCA,VP2
pp. ASSY-AMP/DISCRIMINATOR, 16CH, ROHS
qq. ASSY-STAGE CTRL,MODEL 921, TES
rr. ASSY-MOD 80A,BIAS PS,ROHS
ss. ASSY-NEUTRALIZER,VERSA (TANT)
tt. CMPTR, HP, Z4 G5, WIN11, ENG, ROHS
uu. ASSY-38-101A DATA ACQ,TESTED
vv. ASSY-MOD 20-068,ION GN CTL,L,BNDBLK,TSTD
ww. OPTION - 95MM SAMPLE
xx. OPTION - HYDRAULIC LIFTER TOOL
yy. KIT-UPGRADE,BASE VP TO VPll
zz. OPTION - INTRO ION GAUGE

The estimated period of performance is 1 year