



MENTERI KEUANGAN  
REPUBLIK INDONESIA

LAMPIRAN  
KEPUTUSAN MENTERI KEUANGAN REPUBLIK  
INDONESIA NOMOR 398/KMK.01/2004 TENTANG  
PEMBERIAN PEMBEBASAN BEA MASUK ATAS  
IMPOR BAHAN BAKU/KOMPONEN UNTUK PEM-  
BUATAN PERALATAN DAN JARINGAN TELE-  
KOMUNIKASI OLEH INDUSTRI MANUFAKTUR  
TELEKOMUNIKASI.

DAFTAR BAHAN BAKU/MATERIAL/PART/SUB SYSTEM UNTUK INDUSTRI MANUFAKTUR TELEKOMUNIKASI

| NO. | NAMA BARANG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | KETERANGAN                                                                   |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
|     | A. PRODUK-PRODUK MCN (MOBILE COMMUNICATION NETWORK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                              |
| 1   | A/D (ANALOG TO DIGITAL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MODULE/PART PCM RADIO OF TRANSMISSION OF MOBILE COMMUNICATION NETWORK OF GSM |
| 2   | ACCESSORIES (CONTROLLER, AC), ACCESSORIES FOR GSM / CDMA/SWITCHING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MODULE/PART/ACCESORIES OF SUB SYSTEM GSM AND INSTALLATION METERIAL           |
| 3   | ALARM AND STATUS, ALARM (CONTROL UNIT / TERMINAL MODURACK UNIT/ RELAY INTERFACE/ ELECT.RELAY BOARD/HANDLER /INTEFACE/PANEL/ARI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MODULE/PART OF SUB SYSTEM GSM                                                |
| 4   | AMM 4U, ACCESS MODULE MAGAZINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | INDOOR EQUIPMENT FOR DIGITAL MICROWAVE RADIO GSM                             |
| 5   | ANCHOR/ ANCHORING RAIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ACCESSORIES/PART OF GSM                                                      |
| 6   | ANTENNA ( SP120, XP90, XP60, INDOOR, PANEL, CLAMP, SET, OMNI, SECTORAL, PARABOLIC, CIRCULATOR, PANEL, SYSTEM GSM (1800MHZ, 900MHZ) /MODULE (HIGH PERFORMANCE) / LNA (LOW NOICE AMPLIFIER) / LNB )                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SUB SYSTEM MOBILE COMMUNICATION NETWORK                                      |
| 7   | ARRESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ACCESSORIES/PART RACK GSM                                                    |
| 8   | ASSEMBLING TOOL/ASYN SERIAL DAS TOOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TOOL/PART FOR SYSTEM GSM                                                     |
| 9   | A-TRANSMISSION CONTROL (A-TC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SUB SYSTEM TRANSMISSION                                                      |
| 10  | ATTENUATOR ( ATTENUATOR ASSY )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MODULE/PART OF SUB SYSTEM GSM                                                |
| 11  | B CHANNEL AGGRETATION MODUL (BCAM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SUB SYSTEM ISDN                                                              |
| 12  | BACK (CARD / COVER / HOUSING ASSY UNIT/BONE TRUNK MODULE/MOUNT FRAME)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PART/MODULE OF SUB SYSTEM GSM                                                |
| 13  | BALANCE LTU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MODULE SUB SYSTEM GSM                                                        |
| 14  | BASE (BAND INTERFACE / PLATE/ RACK/ SYSTEM/CONTROL UNIT/STATION CONTROLLER/FUNCTION UNIT GSM/STATION SYSTEM/TRANSCIEVER STATION/FUNCTIONALITY, ADD FUNCTION UNIT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MODULE SUB SYSTEM GSM                                                        |
| 15  | BASIC ( EQUIPMENT INDOOR INSTALLATION, INSTALLATION KIT OUTDOOR UNIT, RATE MODULE (BRMT BRMN, OBRM, FUNTIONAL FEATUR UNIT)(GSS/SC FUNCTIONALITY / UNIT( WAP,MIA ), CORE NETWORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                               |
| 16  | BAUD (MODEM, DIAL UP )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                               |
| 17  | BIT COMBINER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MODULE/PART RADIO OF SUB SYSTEM GSM                                          |
| 18  | BOARD (MASTER EX. UNIT/ LINE INTF/ CONT/LOGIC/ CONNECTION/ MAIN/ KEY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PART RACK OF SUB SYSTEM GSM                                                  |
| 19  | BOOSTER/BOOT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                               |
| 20  | BTR ( BUS TERMINATOR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                               |
| 21  | CABLE(SUPPRT BAR/ BRIDGE/ CHANNEL/ CLAMP/ FASTENER/ GUIDE/ LUG/ MARKER/ MOUNTING/ RUNG/ RUNWAY/ STRAP/ TROUGH/ SWITCHBOARD/ FOR R.EWSD/ IF/ KEY SWITCH/ EDV/ E:BUF/ TBU/ TA/ BLOCK/ EX/ PLIC/ BATTY/ COAXIAL/ ANTENNA CONN TR1-EXT/ DC/ END LINK/F COMB/ FOR RT1/ MAGG/ KIT/ RTX-1/ 2/-3/-4/U-LINK/ PCM/SET/ CONNECT/ JUMPER ANT &TX/ RX/ CPU/ POWER/ WAVE GUIDE/ FIBER OPTIC/ VOICE/ TRI-PCM/ 2M/ REDUNDANT, DUCT, RUNWAY, LACING, LUG/ CSR/ FASTENER/ SHEATED/ EXTENSION LIB/ OPTICAL PLATE/ SET/ HE-12/ RIGHT/ W2/ CCA-CCC/ RADIO/ RACC/ DBA-DXA/ STRAND/ SPACER/ SUPORT/ CORD/ ASSEMBLY/ SNAP/ TERMINAL/ COMB/ UNIT/ COVER/ DUCT/ ADLM/ SDLN/ QDLM/ DTM/ FSM/ SAM | PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                      |
| 22  | CAGE NUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PARTS OF DIGITAL MICROWAVE RADIO                                             |
| 23  | CALL (FORWARDING / WAITING / HOLD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FEATURE SYSTEM GSM                                                           |



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| NO. | NAMA BARANG                                                                                                                                                                                                                                                                                                                                          | KETERANGAN                                        |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 24  | CARD (SWITCH/ COMM/ ELECT MUX/ QD2/ DEPOD RTE/ CLA/ CLR/ ALX/ CMD/ MPA/ IRA/ ALM LINE TELEX/ CAF/ CTX/ ATX/ CCC/ CCA/ C12/CLD/CMP2G-2/CJO-2/CAO-2/ DXC/ D2M/RCJ/ JRC/EUF/ MEMORY/ ILC/ LCC/ CXC/ UEM-3/ CAV/ CGX/ CMD/ CJXR20/ CJD2/ CSX/RELAYING/ LCD/ CSR/ RAPL,DBA, DBA, CAV, CTS /ILD/ FCU/ READER/SMART CARD, EJECT MECHANISM, INTERFACE, LOCK) | MODULE MOBILE COMMUNICATION NETWORK               |
| 25  | CD (P, ROM FOR SWITCHING SYSTEM)                                                                                                                                                                                                                                                                                                                     | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 26  | CEILING HANGER                                                                                                                                                                                                                                                                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 27  | CELL (SITE/ CHANNEL SIGNALING(CONTROL-CSC)/SITE SCIP/ STATION (CS)/ CIRCUIT MODULE/LINE INTERFACE)                                                                                                                                                                                                                                                   | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 28  | CENTRAL UNIT (PROCESSOR)                                                                                                                                                                                                                                                                                                                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 29  | CES (CONTROL EXTENSION AND SWITCH)                                                                                                                                                                                                                                                                                                                   | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 30  | CGC (CHANNEL GROUP CONCENTRATOR)                                                                                                                                                                                                                                                                                                                     | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 31  | CHANNEL UNIT MODULE                                                                                                                                                                                                                                                                                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 32  | CIRCUIT ( LINE INETRFACE )                                                                                                                                                                                                                                                                                                                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 33  | CLAMP KIT                                                                                                                                                                                                                                                                                                                                            | INSTALLATION MATERIAL FOR DIGITAL MICROWAVE RADIO |
| 34  | CLOCK (A-CLK-HG/ DISTRIBUTOR AND PARTY -CDP/CD ROM)                                                                                                                                                                                                                                                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 35  | CNU:HCP (CONNECTION UNIT:HAND COPY PRINTER)                                                                                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 36  | COLOR VIDEO DISPLAY UNIT                                                                                                                                                                                                                                                                                                                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 37  | COMBINER                                                                                                                                                                                                                                                                                                                                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 38  | COMMON POWER SUPPLY UNIT                                                                                                                                                                                                                                                                                                                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 39  | COMMUNICATION UNIT/ TYPE2                                                                                                                                                                                                                                                                                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 40  | CONFERENCE CARDS                                                                                                                                                                                                                                                                                                                                     | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 41  | CONNECTION, CONNECTOR (BOX/ DF/ DDF/ CABLE/ CORD/ JACK HOUSE/MINI BOARD/RANDOM ACCES/CABLE KIT/PIN CON/PIN COM/JUMPER/PLIC/PLUG IN CABLE/DIN41612)                                                                                                                                                                                                   | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 42  | CONVERTER, G703V.35 (DSU : DIGITAL SUPPLY UNIT)                                                                                                                                                                                                                                                                                                      | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 43  | COVER (COVERING/ CONNECTOR/ PLATE/ STRIP)                                                                                                                                                                                                                                                                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 44  | CP (COORDINATION PROCESSOR)                                                                                                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 45  | CPU (CONTROL PROCESSOR UNIT)                                                                                                                                                                                                                                                                                                                         | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 46  | CRADLE (BOARD/CASE)                                                                                                                                                                                                                                                                                                                                  | PART SUB SYSTEM OF GSM                            |
| 47  | CRB (CLOCK RECOVERY BOARD)                                                                                                                                                                                                                                                                                                                           | PART SUB SYSTEM OF GSM                            |
| 48  | CROSS CONNECT PNL                                                                                                                                                                                                                                                                                                                                    | PART SUB SYSTEM OF GSM                            |
| 49  | CRT (CATHODE RAY TUBE) BREAKER                                                                                                                                                                                                                                                                                                                       | PART/ACCESORIES OF SUB SYSTEM OF GSM              |
| 50  | DC : DISTRIBUTION                                                                                                                                                                                                                                                                                                                                    | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 51  | DEMODULATOR                                                                                                                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 52  | DERIVATION BOX/ PLUG                                                                                                                                                                                                                                                                                                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 53  | DIGITAL (GROUP INTERFACE (DGI)/ PROCESSING UNIT (TX-RX/ SYNC SUBSCRIBER LINE CIRCUIT/ DSLC)/ MESSAGE/ WRITER/ COLOR CODE/ MODEMMODULE (DMM) TRUNK MODULE ( DTM/CELLULAR SYSTEM (DCS) -1800 MHz/SCOPE,WAVE FORM CHECK/VOLTAGE METER ), DIGITAL CROSS CONNECTION                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |
| 54  | DIGITAL MICROWAVE RADIO 2 GHZ S/D 25 GHZ (CABINET, RACK, EQUIPMENT, SYSTEM, LINK (PASO, MINI))                                                                                                                                                                                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM    |



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|-----|--------------------------------------------------------------------------------------|-----------------------------------------------------|
| 55  | DIP-FIX                                                                              | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 56  | DIR (DIFFERENTIAL INTERFACE RECEIVER)                                                | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 57  | DIRECTIONAL COUPLER                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 58  | DISC/K (DRIVE ASSY/CONTROL PG (DKC PG)/ UNIT (DKU),SOFTWARE)+B141                    | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 59  | DISPLAY/DISPLY PROTECTION                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 60  | DISTRIBUTION UNIT                                                                    | INDOOR EQUIPMENT FOR DIGITAL MICROWAVE RADIO        |
| 61  | DISTRIBUTOR/ CLK DIST / A-CLK-H PG/ BOARD)                                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 62  | DMA (DIRECT MEMORY ACCESS)                                                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 63  | DMX (SOFTWARE / OPT/ STD FRAME)                                                      | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 64  | DOC ADMIN CD                                                                         | DOCUMENT/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM |
| 65  | DOCUMENTATION / INSTRUCTION MANUAL: CD ROM PASOLINK, MINILINK, RADIO LINK SYSTEM GSM | DOCUMENT OF SUB SYSTEM GSM                          |
| 66  | DOCWARE                                                                              | DOCUMENT/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM |
| 67  | DOMED CAP NUTS                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 68  | DSX CIRCUIT FRONT CONN                                                               | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 69  | DUAL (TONE MULTIFREQUENCY TONE GENERATOR (DTG)/ MULTIFREQUENCY TONE RECEIVER(DTR)    | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 70  | DUAL PORT (DIGITAL LINE MODULE (ADLM & SDLM)/ INTERFACE (CARD/DIFFERENTIAL BOARD)    | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 71  | DUMMY LOAD (CARD (DLC)/ L-DUMMY PACKAGE (DMY PKG-L)                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 72  | DUPLEXER                                                                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 73  | DXX (COMUNICATION SERVER COPY/ MANAGER USER MANUAL)                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 74  | EARPHONE/EARTHING KIT                                                                | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 75  | EARTHING KIT                                                                         | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 76  | ECLK (EXTERNAL SYNCHONIZING CLOCK)                                                   | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 77  | ELECTRICAL (MUX)                                                                     | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 78  | EMERGENCY HO/ FASTSOAN                                                               | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 79  | ENHANCED VOCODER INTERFACE ASSEMBLY                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 80  | EPROM ERASER                                                                         | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 81  | EQUIP. RADIO CABINET, EQ RACK BLTD, MAGAZINE TR1 3/3                                 | SUB SYSTEM RADIO OF SYSTEM GSM                      |
| 82  | ETB BOARD                                                                            | SUB SYSTEM RADIO OF SYSTEM GSM                      |
| 83  | EXECUTIVE CONTROL REGISTER                                                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 84  | EXTRACTOR                                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 85  | F : FRAME (TSCP/LT/DLT/OMP/M/CCSP)                                                   | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 86  | FAIL SHRT GAS                                                                        | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 87  | FAN KIT MINI LINK                                                                    | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 88  | FEEDER (CLAMP/ MARKING)                                                              | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |
| 89  | FERRITE                                                                              | PARTS OF DIGITAL MICROWAVE RADIO EQUIPMENT          |
| 90  | FILTER (CAVITY/UNIT)                                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM      |



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|-----|-------------------------------------------------------------|----------------------------------------------------|
| 91  | FLATE BRUSH                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 92  | FRAMING ANGLE                                               | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 93  | FREQUENCY (COUNTER/ METER)                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 94  | GENERATOR FOR GSM                                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 95  | GI (GROUP INTERFACE)                                        | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 96  | GROUND/DROUNDING (BAR, WINDOW, CABLE)                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 97  | GSM (GLOBAL SYSTEM MOBILE) 900 MHZ,1800 MHZ                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 98  | GTB (GROUND TERMINATOR BOARD)                               | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 99  | HAND (BOOK / HELD / PHONE TESTER / OFF / STRAP)             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 100 | HANGER KIT                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 101 | HARDWARE PMS 150                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 102 | HARMONIC FILTER                                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 103 | HIC (HIGHWAY INTERFACE CONTROL)                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 104 | ICLK (INTERNATIONAL CLOCK)                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 105 | INPUT LUG KIT / OUTPUT PROCESSOR (IOP)                      | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 106 | INSTALLATION MATERIAL                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 107 | INSULATOR PAD                                               | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 108 | INTEGRATED ROUTER MODULE (IRM)/ SYSTEM                      | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 109 | INTERCONNECT CABLE                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 110 | IPM UPGRADES                                                | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 111 | IPTG (INTERNATIONAL PROGRESS TONE GENERATOR                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 112 | IRT (INTERUPT RESPOND TASK)                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 113 | ISDN PRIMARY RATE MODULES (IPMT & IPMN)                     | MODULE SYSTEM ISDN OF MOBILE COMMUNICATION NETWORK |
| 114 | ITC (PROTECTION PNL / MODEM CAGE/ MODEM RK)                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 115 | ITER SWITCH NETWORK CONTROLLER INK                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 116 | ITSTR (INTERNATIONAL TEST TONE RECEIVER)                    | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 117 | JAM (JACK AND ALARM MAINTENANCE)                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 118 | KIT FOR SEPARATE MOUNTING                                   | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 119 | KP (KEYBOARD PRINTER)                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 120 | LAN MODULES                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 121 | LANI (LOCAL AREA NETWORK INTERFACE)                         | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 122 | LAYER ( TWO CONTROLLER (L2 CTL)/2 PROC, DCH PACKAGE MODULE) | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 123 | LBT (LINE BUSY TONE)                                        | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 124 | LEFT / RIGHT DRAWER                                         | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 125 | LIGHTNING (PROTECTION TRANSFORMER ARRESTER)                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 126 | L-M (LINE MODULE)                                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 127 | LPB (LIGHTING PROTECTION BOARD)                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 128 | LPU BAY (LAN PERIPHERAL UNIT BAY)                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 129 | LSB (LEAST SIGNIFICANT BIT) BOARD                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |



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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| 130 | LSI (LARGE SCALE INTEGRATION)                                                                                                                                                                                                                                                                                                     | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 131 | M : MODULE (DCCCL/ DEC/ DIU30D/ GCG:LTGY/CLK/ GSC/LIU/MCAA/ MUXS/ PMUB/SVT/ SIUPERVISORY AND INFORMATION FOR LOCAL AND REMOTE AREA/ SP/LTC-OH/ PSC/RM:CTC/SILTC/ TOGA/ L/ T/ DTI/ DCC/A-LCP/DL/L2P-D/A-DTS/BI/TL/HDT/CM/CM/ DCCS/MTC/ LP/RDL/ RDTST/ MODEM/FRAE /CASE/ DCCXF/DCCXJ/CP101E) SILD/SMXC CAGE/ RACK/UPGRADE/SOFTWARE) | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 132 | MAINT( EXPN/BAY/MODEM/PROG)                                                                                                                                                                                                                                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 133 | MAINTENANCE (COMMAN INTERFACE/ FRAME)                                                                                                                                                                                                                                                                                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 134 | MASTER CONSOLE INTERFACE                                                                                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 135 | MAUSE/MEMORY (LCD, CTX, ATX, A-5)                                                                                                                                                                                                                                                                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 136 | MDF(MAIN DISTRIBUTION FRAME)                                                                                                                                                                                                                                                                                                      | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 137 | MDMP (MODEM POWER)                                                                                                                                                                                                                                                                                                                | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 138 | MINI STATION CHAIR MEX, MANUAL ( TECHNICAL TELEX)                                                                                                                                                                                                                                                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 139 | MISC/ DTR/ ASIR)                                                                                                                                                                                                                                                                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 140 | MMU (MEMORY MAPPING UNIT)                                                                                                                                                                                                                                                                                                         | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 141 | MNL (MULTI NODE LOADER)                                                                                                                                                                                                                                                                                                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 142 | MOBILE (CALL SIMULATOR, SUBBSCRIBER LINE TEST)                                                                                                                                                                                                                                                                                    | SUB SYSTEM OF DIGITAL MICROWAVE RADIO EQUIPMENT    |
| 143 | MOBILE COMMUNICATION INTERFACE                                                                                                                                                                                                                                                                                                    | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 144 | MODEL/RELEASE UPGRADES                                                                                                                                                                                                                                                                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 145 | MODEM, MMU MODEM UNIT/RF/PSTN, WLAN CABLE MODEM                                                                                                                                                                                                                                                                                   | MODEM INDOOR EQUIPMENT FOR DIGITAL MICROWAVE RADIO |
| 146 | MODULATOR                                                                                                                                                                                                                                                                                                                         | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 147 | MOUNT KIT, POWER SPLITER                                                                                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 148 | MOUNTED PIEZO-ELECTRICAL CRISTAL                                                                                                                                                                                                                                                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 149 | MPC (MULTYCOUPLER,PROC.CONTROLLER)                                                                                                                                                                                                                                                                                                | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 150 | MSC (MOBILE-SERVICIS SWITCHING CENTER) / MSC GSM (GATEWAY,CENTRAL PROCESSOR)                                                                                                                                                                                                                                                      | SUB SYSTEM OF GSM                                  |
| 151 | MSN (11/12)                                                                                                                                                                                                                                                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 152 | MTI ( MULTI TERMINAL INTERFACE )                                                                                                                                                                                                                                                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 153 | MULTI (METER,PROCESSOR CONTROLLER (PCM)/ CONTROLLER                                                                                                                                                                                                                                                                               | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 154 | MULTI FUNCTION COMPRESSION MODULES (MFCM)                                                                                                                                                                                                                                                                                         | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 155 | MUX UNIT                                                                                                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 156 | MUX. (MULTIFLEXER), MULTIFLEXER TERMINAL                                                                                                                                                                                                                                                                                          | SUB SYSTEM OF DIGITAL MICROWAVE RADIO EQUIPMENT    |
| 157 | NEAX61 (REMOTE SYSTEM/ SWITCHING EQUIPMENT FOR PHS COVER                                                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 158 | NETMAN (CLIENT LICENSE, SERVER LICENSE, START UP PACKAGE)                                                                                                                                                                                                                                                                         | SUB SYSTEM OF DIGITAL MICROWAVE RADIO EQUIPMENT    |
| 159 | NETWORK (EXPANSION BAY/ SIGNALING UNIT/MANAGEMENT SYSTEM (NMS))                                                                                                                                                                                                                                                                   | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 160 | NMS (NETWORK MANAGEMENT SYSTEM)                                                                                                                                                                                                                                                                                                   | SUB SYSTEM OF DIGITAL MICROWAVE RADIO EQUIPMENT    |
| 161 | NODE MANAGER, ORIGINAL                                                                                                                                                                                                                                                                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |
| 162 | NPT (NET PROTOCOL)                                                                                                                                                                                                                                                                                                                | SUB SYSTEM OF DIGITAL MICROWAVE RADIO EQUIPMENT    |
| 163 | O & M TOOLS (OPERATION & MAINTENANCE)                                                                                                                                                                                                                                                                                             | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM     |



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|-----|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 164 | OMNI (BASE STATION SPARES/ VISION)                                                                                               | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 165 | OP:DCC/OS SCO-ODT/ UNIX                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 166 | OPTIC FIBER / OPTICAL (OSM ANG TELEX)                                                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM AND NEXT GENERATION |
| 167 | ORDER WIRE BOARD                                                                                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 168 | OSCILLATOR                                                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 169 | OSCILLOSCOPE                                                                                                                     | TESTER/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM                  |
| 170 | OUTDOOR MATERIAL/ CABINET                                                                                                        | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 171 | OVERHEAD MULDEX                                                                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 172 | PALM (PARITY ALARM)                                                                                                              | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 173 | PCM (PULSE CODE MODULATION/JITTER MOD/OSC)                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 174 | PERIPHERAL (SWITCHING UNIT (PSU) 230 VOLT AC/UNIT (PU)/INTERFACE ADAPTER (PIA))                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 175 | PHASE DEMODULATOR                                                                                                                | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 176 | PICO-BSC BACK PLANE BOARD                                                                                                        | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 177 | PIGTAIL                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 178 | PLATE (SCREENING, DISTRIBUTOR, INSULATING)                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 179 | PREPAYMENT METER                                                                                                                 | SET OF DIGITAL MICROWAVE RADIO EQUIPMENT                           |
| 180 | PRESUE PIECE                                                                                                                     | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 181 | PRINTED CIRCUIT BOARD                                                                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 182 | PRINTER/ DISLPAY FOR TESTER                                                                                                      | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 183 | PROC (PROCESSOR)                                                                                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 184 | PROM (PROG. READ ONLY MEMORY)                                                                                                    | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 185 | PROTECTIP BEG                                                                                                                    | TESTER/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM                  |
| 186 | PROTOCOL (ANALYZER, TESTER)                                                                                                      | PARTS OF DIGITAL MICROWAVE RADIO                                   |
| 187 | PROTOCOL ANALYSIS PACKAGE (PAP)                                                                                                  | TESTER/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM                  |
| 188 | PTG (PROGRESS TONE GENERATOR)                                                                                                    | TESTER/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM                  |
| 189 | PTM (PROGRAMABLE TIMER MODULE)                                                                                                   | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 190 | QUAD DIGITAL LINE MODULE (QDLM)                                                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 191 | RADIO (UNIT/LINK/DISPATCHER/ CHANNEL INTERFACE-RCI/ RCI POWER/ TONE RECEIVER-RCVR/BASE STATION (RBS)/ NETWORK TERMINATION (RNT)) | SYSTEM RADIO GSM                                                   |
| 192 | RADIO MODULE (HIGH POWER) HIGH INDEX                                                                                             | RADIO EQUIPMENT IN DIGITAL MICROWAVE RADIO                         |
| 193 | RECEIVER/TUNER                                                                                                                   | SUB SYSTEM OF DIGITAL MICROWAVE RADIO                              |
| 194 | RECTIFIER UNIT WITH SVE40 COMPACT                                                                                                | DC POWER SUPPLY FOR DIGITAL MICROWAVE RADIO                        |
| 195 | RG UNIT                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                     |
| 196 | SCP (SWITCH CONTROL PROCESSOR)/ (OMNI PLATFORM SW)/(SMP STANDARD PACKAGE, INPLATFORM SW)                                         | MODULE/FUNCTION/FETURE/PART/TOOL OF SUB SYSTEM OF GSM              |
| 197 | SEALED LEAD ACID BATTERY                                                                                                         | SUB SYSTEM OF DIGITAL MICROWAVE RADIO                              |
| 198 | SMU ( SWITCH MULTIPLEXER UNIT)                                                                                                   | SET OF DIGITAL MICROWAVE RADIO EQUIPMENT                           |



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| NO. | NAMA BARANG                                                                                                                                                                                                                                                | KETERANGAN                                                                                             |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 199 | SPLITTER (3 WAY,4WAY,8WAY)                                                                                                                                                                                                                                 | FUNCTION/FETURE/PART/TOOL OF SUB SYSTEM OF GSM                                                         |
| 200 | SUBRACK( UMUX 1200/UMUX1500/TRXD,DUCT)                                                                                                                                                                                                                     | FUNCTION/FETURE/PART/TOOL OF SUB SYSTEM OF GSM                                                         |
| 201 | TEST FUNCTIONS, ORIGINAL,CODR, MOBIL                                                                                                                                                                                                                       | TESTER/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM                                                      |
| 202 | TIGRIS ( 3-SLOT CHASSIS, BLANKING PANEL,CC,QUAD UWAN, DUAL ETHERNET)                                                                                                                                                                                       | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 203 | TIMING MODULE                                                                                                                                                                                                                                              | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 204 | TRAU ( BASE RACK, EXPA SELF )                                                                                                                                                                                                                              | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 205 | TTS ( TRANSMITER TEST SET )                                                                                                                                                                                                                                | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 206 | UMS ( UNIFIED MESSAGING SYSTEM )                                                                                                                                                                                                                           | FUNCTION/FETURE/PART/TOOL OF SUB SYSTEM OF GSM                                                         |
| 207 | UNIT ( TX/ RX/ RX DPU/ TX DPU/ TX SWO /RX SWO/MOBIL MUX/ RCV/ XMT/ POWER/ CONT/ TROUGH/ ALARM/ PORTABLE PS/ PA/ LOGICAL/LOCAL/ HARD DISK/MT/DMT-SET/ NEAX-61SYST, D 1800 (BTS,BSC,TRAU, SPARE PART SSS, GPRS, ANTENNA SYSTEM, TRANSMISION SYSTEM, PSU-230V | SUB SYSTEM OF MOBILE COMMUNICATION NETWORK                                                             |
| 208 | UNIT POWER-CSUP)                                                                                                                                                                                                                                           | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 209 | UNIVERSAL (TONE RECEIVER / TONE GENERATOR)                                                                                                                                                                                                                 | MODULE/TESTER/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM                                               |
| 210 | USER PROTOCOL : V5.2 SL / ML                                                                                                                                                                                                                               | TESTER/PART/ACCESSORIES/TOOL OF SUB SYSTEM OF GSM                                                      |
| 211 | VOICE (TRANS, CHANNEL/ CBL/ COMPRESSION MODULES (VCM) GROUP INTERFACE (VGI )/CHANNEL CONTROLLER CARD))                                                                                                                                                     | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 212 | VOLTAGE REGULATOR                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 213 | WAVE (GUIDE CABLE / GUIDE ENTRY/ GUIDE CUSHION)                                                                                                                                                                                                            | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 214 | WINNT SERVER H/W + WINNT.4 OS (JOINT WITH ANS)                                                                                                                                                                                                             | INDOOR EQUIPMENT FOR DIGITAL MICROWAVE RADIO                                                           |
| 215 | WIRE , WIRED RACK                                                                                                                                                                                                                                          | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 216 | XALM (EXTERNAL ALM INPUT)                                                                                                                                                                                                                                  | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 217 | ZS+5M/6U FOR AUXILARY UNIT                                                                                                                                                                                                                                 | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
|     | <b>B. PRODUK-PRODUK SENTRAL</b>                                                                                                                                                                                                                            |                                                                                                        |
| 218 | AAA (AUTHORIZATION, AUTHENTICATION AND ACCOUNTING)-S/W, DCN ORACLE DBMS/WORK-ST, ENTERPRISE)                                                                                                                                                               | SOFTWARE FOR PACKET DATA SERVING NODE (PDSN)                                                           |
| 219 | ACA5-A (ANALOG CONVERSION BOARD ASSEMBLY 5-A)                                                                                                                                                                                                              | CONVERTING IF SIGNAL INTO RF SIGNAL AND VISE VERSA                                                     |
| 220 | ACCA (ATM CELL SWITCH CLOCK GENERATION/DISTRIBUTION ASSEMBLY)                                                                                                                                                                                              | GENERATING CLOCK AND DISTRIBUTING THE GENERAL CLOCK IN GLOBAL ROUTER FOR BSC (BASE STATION CONTROLLER) |
| 221 | ACCESS NETWORK (CENTRAL TERMINAL, REMOTE TERMINAL, OUTDOOR CABINET, MAIN LINE SHELF), ACCESS GATEWAY,                                                                                                                                                      | MODULE/PART/ACCESSORIES/TOOL OF SUB SYSTEM GSM                                                         |
| 222 | AGM (ANALOG GROUP MODULES)                                                                                                                                                                                                                                 | MAIN MODULES FOR SWITCHING SYSTEM                                                                      |
| 223 | AIR BAFFLE                                                                                                                                                                                                                                                 | MATERIAL FOR BTS (BASE TRANSCIVER)                                                                     |
| 224 | ALA-C/R (AIR LINK ANALYZER), OPTIMIZATION TEST                                                                                                                                                                                                             | OPTIMIZATION TEST FOR BSC                                                                              |
| 225 | ALT( AUTONOMOUS LINE TERMINATION) ANS RSC (HW+SW)                                                                                                                                                                                                          | SET OF MAIN EQUIPMENT FOR ANS (ACCESS NODE SWITCH) FOR SWITCHING SYSTEM                                |
| 226 | AMU995, ANALOGUE MEASURING UNIT                                                                                                                                                                                                                            | MEASURING EQUIPMENT FOR ANS (ACCESS NODE SWITCH)                                                       |
| 227 | ANS ( RSC (REMOTE SUBSCRIBER CONTROLLER) SYSTEM, BASIC SYSTEM, STANDARD FUNCTIONALY, CORE, PRECABLED BASIC SYSTEM)                                                                                                                                         | STANDARD FUNCTIONALITY FOR ANS (ACCESS NODE SWITCH)                                                    |



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|-----|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 228 | ASBB1 (ATM SWITCH BACK BOARD)                                               | RPROVIDING COMMUNICATION PATH BETWEEN BOARDS IN GLOBAL ROUTER FOR BSC                                                                                           |
| 229 | ASPA (ATM SWITCH CONTROL PROCESSOR ASSEMBLY)                                | SYSTEM OPERATION MANAGEMENT AND MAINTENANCE IN GLOBAL ROUTER                                                                                                    |
| 230 | ATLA (ATM TRUNK LINK ASSEMBLY)                                              | THE TYPE CONVERSION FROM ATM ADAPTION LAYER                                                                                                                     |
| 231 | ATM TRUNK INTERFACE ASSEMBLY                                                | SET OF MAIN EQUIPMENT FOR ANS (ACCESS NODE SWITCH) FOR SWITCHING SYSTEM                                                                                         |
| 232 | AWGN, RX SENSITIVITY TEST                                                   | RF TEST (MEASURING EQUIPMENT FOR BSC)                                                                                                                           |
| 233 | BAIA (B-LINK ATM INTERFACE BOARD ASSEMBLY)                                  | INTERCONNECTING WITH ATIA OF BSC ATB BLOCK THROUGH E1/T1 TRANSMITNG/ RECEIVING ATM CELL                                                                         |
| 234 | BASIC SYSTEM SW                                                             | SOFTWARE FOR BSC                                                                                                                                                |
| 235 | BCDDB (BCP+DU BACKBOARD)                                                    | PROVIDING COMMUNICATION PATH BETWEEN BOARD IN BTS CONTROL PROCESSOR & DIGITAL UNIT                                                                              |
| 236 | BCPA (BTS CONTROL PROCESSOR BOARD ASSEMBLY)                                 | THE HIGHS MAIN CONTROL UNITS THAT OPERATES AND MANAGES BTS                                                                                                      |
| 237 | BDCA (BASEBAND DIGITAL IF CONVERSION CARD ASSEMBLY)                         | UP CONVERSION OF DIGITAL CHANELS SIGNAL INTO IF SIGNAL FOR BTS                                                                                                  |
| 238 | BP (BANDPASS) FILTER                                                        | MEASURING EQUIPMENT FOR BSC                                                                                                                                     |
| 239 | CALL CONTROL PROCESSOR BOARD ASSEMBLY                                       | CALL CONTROL PROCESSING SUCH AS A CALL SETUP, RELEASE AND HANDOFF IN BSC                                                                                        |
| 240 | CBDB (PICO-BSC BACK PLANE BOARD)                                            | PROVIDING COMMUNICATION PATH BETWEEN BOARD IN HIGH CAPACITY TRANSCODER & SELECTOR BANK IN BSC                                                                   |
| 241 | CCDA (DU CONTROL & CLOCK DISTRIBUTION BOARD ASSEMBLY)                       | CONTROLLING MCCA (MULTIRATE CHANNEL CARD ASSEMBLY) & BDCA AND DISTRIBUTING CLOCK RECEIVING FROM GPSR (GLOBAL POSITIONING SYSTEM RECEIVER) TO MCCA & BDCA IN BTS |
| 242 | CDMA (CODE DIVISION MULTIPLE ACCESS) 800MHZ, 1900MHZ                        | SYSTEM FOR CDMA                                                                                                                                                 |
| 243 | CDMA CELLULAR ADAPTER, HP83203B                                             | MEASURING EQUIPMENT FOR BTS                                                                                                                                     |
| 244 | COUNTER SUNK                                                                | EQUIPMENT FOR BTS (BASE TRANSCEIVER SYSTEM)                                                                                                                     |
| 245 | CRIMP HEADER / PIN HEADER / STRIP HEADER                                    | EQUIPMENT OF NETWORK PLANING TOOL FOR BTS                                                                                                                       |
| 246 | CRT (CATODE RAY TUBE) TERMINAL, OFF LINE MONITOR                            | SET OF NETWORK PLANNING TOOL FOR BTS                                                                                                                            |
| 247 | CST (CELL SITE TEST SET), CODE DOMAIN POWER TEST                            | RF TEST (MEASURING EQUIPMENT FOR BTS)                                                                                                                           |
| 248 | CTGD (CELL-BUS CLOCK & TERMINATION POWER GENERATION DAUGHTER BOARD ASSEMBLY | PROVIDING CELL-BUS CLOCK IN BCDU                                                                                                                                |
| 249 | CURRENT TRANSDUCER                                                          | EQUIPMENT FOR SWITCHING SYSTEM                                                                                                                                  |
| 250 | DBP (DECIBEL PLANNER)                                                       | SET OF NETWORK PLANNING TOOL FOR BTS                                                                                                                            |
| 251 | DCNM (DATA CORE NETWORK MANAGER) S/W, DCN ORACLE DBMS , DCN HP OVEN VIEW    | DATA MANAGEMENT, NODE MONITORING FOR PDSN                                                                                                                       |
| 252 | DIGITAL (UNIT SHELF, UNIT INTERFACE BOARD ASSEMBLY 1 (DUIA1))               | SET OF BTS EQUIPMENT                                                                                                                                            |
| 253 | DLU (DIGITAL LINE UNIT) / DLC (DIGITAL LINE CONSETRATOR)                    | SET OF MAIN EQUIPMENT FOR ANS (ACCESS NODE SWITCH) FOR SWITCHING SYSTEM                                                                                         |
| 254 | DSU (DATA SERVICE UNIT) FOR PERFORMANCE/ REDUNDANCY                         | SPARE PARTS FOR ANS                                                                                                                                             |
| 255 | DUMMY FRONT COVER (6HU) N.L.                                                | ACCESSORIES FOR CABINET                                                                                                                                         |
| 256 | ENHANCED VOCODER INTERFACE ASSEMBLY                                         | CONVERTING DATA INTO PCM (PULSE CODE MODULATION) AND VICE VERSA                                                                                                 |
| 257 | FAN (KIT, UNIT(PANU))                                                       | FAN FOR ALL EQUIPMENT                                                                                                                                           |



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|-----|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 258 | FC (FREQUENCY COUNTER)                                                              | MEASURING EQUIPMENT FOR BST                                                                   |
| 259 | FEU/FEU2-A (FRONT END UNIT SHELF /2-A )                                             | TX/RX SIGNAL FILTERING AND LOW NOISE AMPLIFIER FOR BTS                                        |
| 260 | FINGER GUARD                                                                        | PARTS OF BTS                                                                                  |
| 261 | FUSE (PANEL)                                                                        | PARTS OF BTS                                                                                  |
| 262 | FW WORK-ST (FIREWALL)                                                               | OPERATION AND MAINTENANCE FOR PDSN ULTRAA60                                                   |
| 263 | FW-SW (SECUREWORKS FIREWALL ENTERPRISE SOLRAIS)                                     | OPERATION AND MAINTENANCE FOR PDSN                                                            |
| 264 | GPS/R/BB (GLOBAL POSITIONING SYSTEM) RECEIVER/BACKBOARD, WITH ANTENNA               | RECEIVING THE INFORMATION ON REFERENCE TIME FROM GPS SATELLITE AND GENERATING REFERENCE CLOCK |
| 265 | HA (PDSN-RACK/ PDSN-ROUTER/ ATM-C /ATM CARD/ ENTHERNET CARD/ FEC/FEC-HA)            | RACK FOR PDSN OPEN                                                                            |
| 266 | HPA/HPA1-A (HIGH POWER AMPLIFIER SHELF/1-A)                                         | AMPLIFYING TRANSMISSION SIGNAL OUTPUT                                                         |
| 267 | HUB, ROUTER, HUB-1G/2G (SUMMIT48-BASIC L3-XW-1GIGA/2GIGA, BRIDGE)                   | FAST ETHERNET INTERFACE FOR PDSN, MODULE OF NEXT GENERATION                                   |
| 268 | INDOOR (CABINET, RACK TOTAL ASSEMBY, CABLE OF 50 TRAPS)                             | CABINET FOR ALL SYSTEMS                                                                       |
| 269 | KIT FOR SEPARATE MOUNTING                                                           | SUB SYSTEM OF BTS EQUIPMENT                                                                   |
| 270 | LAND SUBSCRIBER LINE TEST                                                           | MEASURING EQUIPMENT FOR ANS SWITCHING SYSTEM                                                  |
| 271 | LAU001, LAN ACCESS                                                                  | LAN ACCESS UNIT (SET OF ANS SWITCHING SYSTEM)                                                 |
| 272 | LOCAL ( CALL, CRAFT TERMINAL )                                                      | SIMULATOR TEST EQUIPMENT                                                                      |
| 273 | LOOP BACK BER (BIT ERROR RATE) TESTER, FIRE BIRD-6000                               | MEASURING EQUIPMENT FOR ANS SWITCHING SYSTEM FIRE BIRD-600                                    |
| 274 | LSA ( DISCONNECTION MODULE/ PLUS CONNECTION MODULE)                                 | PARTS/SUB SYSTEM OF SWITCHING SYSTEM                                                          |
| 275 | MONITOR, COMPUTER FOR CDMA/EWSD/SWITCHING                                           | PARTS OF OPERATING SYSTEM                                                                     |
| 276 | OMP WORK-ST,ULTRA10                                                                 | OPERATION AND MAINTENANCE FOR PDSN                                                            |
| 277 | PA (POWER ATTENUATOR), RF EQUIPMENT TEST                                            | TEST EQUIPMENT TECTION FOR BTS                                                                |
| 278 | PAL (PERFORMANCE ANALYZER, LINE TESTER)                                             | TEST EQUIPMENT TECTION FOR ANS                                                                |
| 279 | PM/POWER (METER, TRANSMIT POWER, ATTENUATOR, SPLITTER)                              | MEASURING EQUIPMENT FOR BTS                                                                   |
| 280 | POWER SUPPLY UNIT (PSU) , ADD. DC/DC UNIT, HD XGM SUBRACK, COMMON POWER SUPPLY UNIT | MODULE/PART/ACCESSORIES/TOOL FOR SUPPLYING THE NECESSARY POWER TO EACH BOARD OF BSC           |
| 281 | PSA1/10 (PROGRAMMABLE STEP ATTENUATOR), RF EQUIPMENT TEST                           | FACTORY TEST AUTOMATION FOR MEASURING EQUIPMENT IN BTS                                        |
| 282 | PWRDIS (POWER DISTRIBUTOR)                                                          | SUPPLYING THE NECESSARY POWERTO EACH BOARD OF TERMINAL EQUIPMENT                              |
| 283 | RACK OF METAL                                                                       | PART OF SUB SYSTEM OF CDMA 2001/EWSD                                                          |
| 284 | REMOTE CONTROLLER                                                                   | SUB SYSTEM OF ANS SWITCHING SYSTEM OPERATION                                                  |
| 285 | RFCA (RF CONTROLLER CARD ASSEMBLY)                                                  | PERFORMING (TRANSCIVER UNIT) CONTROL AND ALARM COLLECTION FOR BTS                             |
| 286 | SA (SPECTRUM ANALYZER), SPURIOUS EMISSION                                           | RF TEST (MEASURING EQUIPMENT FOR BTS)                                                         |
| 287 | SG (SIGNAL GENERATOR, LOCAL OSCIL LATOR SOURCE                                      | RF TEST (MEASURING EQUIPMENT FOR BTS)                                                         |
| 288 | SM (SITE MASTER) , VSWR                                                             | SET OF MEASURING EQUIPMENT FOR BTS                                                            |
| 289 | SPARE (MODULE, PARTS)                                                               | SPARE OF ALL MODULE AND PARTS OF ALL EQUIPMENT                                                |
| 290 | STANDARD ACCESSORIES                                                                | SUB SYSTEM OF BTS EQUIPMENT                                                                   |
| 291 | STM ((SYNCHRONOUS TRANSVERSE MODE INTERFACE)/ ONE LINK ASSEMBLY                     | SUB SYSTEM OF TERMINAL EQUIPMENT                                                              |



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| 292 | SWITCH, SWITCH HUB                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PARTS OF ANS SWITCHING SYSTEM AND NEXT GENERATION                                   |
| 293 | SYSTEM CLOCK INTERFACE BOARD ASSEMBLY                                                                                                                                                                                                                                                                                                                                                                                                                                | SPLITTING, SIGNALING AND DISTRIBUTING SPLIT CLOCK                                   |
| 294 | SYSTEM INSPECTION PROCEDURE                                                                                                                                                                                                                                                                                                                                                                                                                                          | SUB SYSTEM OF TERMINAL EQUIPMENT                                                    |
| 295 | SYSTEM TRANSMISSION BACKBONE : PDH (PLESINCHRONOUS DIGITAL HIERARCHY, ATM (ASYNCHRONOUS TRANSFER MODE, WDM(WAVELENGTH DIVISION MULTIPLEXING)), SDH CONT. (SYSTEM DIGITAL HIERARKI CONTROLLER, TERMINAL MULTIPLEXER, DIGITAL CROSS CONNECTION (DXC), AGGREGATION INTERFACE, SYNCHRONOUS TRANSFER MODULE/CARD (STM), TRIBUTARY INTERFACE, E1 MODULE CARD, E3 MODULE CARD, ETHERNET, AGGREGATION INTERFACE, WDM (WAVELENGTH DIVISION MULTIPLEXING)) TOP RACK UNIT (TRU) | MAIN CONTROL FOR TERMINAL EQUIPMENT                                                 |
| 296 | TCU (TRANSCEIVER UNIT) SHELF                                                                                                                                                                                                                                                                                                                                                                                                                                         | SUB SYSTEM OF BTS EQUIPMENT                                                         |
| 297 | TERMINATION PANEL, TERMINAL POWER                                                                                                                                                                                                                                                                                                                                                                                                                                    | SET OF RSC (ROUTE SUBSCRIBER CONCENTRATOR)                                          |
| 298 | TEST DATA/VEHICLE                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SET OF BTS EQUIPMENT                                                                |
| 299 | TRANSFORMER / TRANSFORMATOR                                                                                                                                                                                                                                                                                                                                                                                                                                          | SUB SYSTEM OF TERMINAL EQUIPMENT                                                    |
| 300 | TSB DIAGNOSTIC MONITOR                                                                                                                                                                                                                                                                                                                                                                                                                                               | SET OF BTS EQUIPMENT                                                                |
| 301 | TSW (TIME SWITCH)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SUB SYSTEM OF BTS EQUIPMENT                                                         |
| 302 | TV ((TEST VEHICLE) OPTIMIZATION TEST, MODULATOR)                                                                                                                                                                                                                                                                                                                                                                                                                     | SUB SYSTEM OF BTS EQUIPMENT                                                         |
| 303 | UNEQUIPPED CABINET                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CABINET IN BTS EQUIPMENT                                                            |
| 304 | USER PROTOCOL : V5.2 SL / ML                                                                                                                                                                                                                                                                                                                                                                                                                                         | SOFTWARE FOR BSC SYSTEM                                                             |
| 305 | VAU 220, VOICE ANNOUNCEMENT, FOR XGM SUBRACK                                                                                                                                                                                                                                                                                                                                                                                                                         | MAIN EQUIPMENT SWITCHING SYSTEM                                                     |
| 306 | VOCODER / DATA BLOCK TRUNK/ATM/LAN INTERFACE ASSEMBLY                                                                                                                                                                                                                                                                                                                                                                                                                | INTERFACING AND PROVIDING ONE STM- PORT, PROVIDING ETHERNET LINK INTERFACE WITH MSC |
| 307 | VOLTAGE TRANSDUCER                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SUB SYSTEM OF BTS EQUIPMENT                                                         |
| 308 | WALL GLAND FOR SEVERAL CABLES                                                                                                                                                                                                                                                                                                                                                                                                                                        | OUTDOOR INSTALLATION MATERIAL FOR DMR                                               |
| 309 | XVBB (TCU BACKBOARD)                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PROVIDING COMMUNICATION PATH BETWEEN BOARD IN TCU (TRANSCEIVER UNIT)                |
|     | C. PRODUK-PRODUK TERMINAL                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                     |
| 310 | ADAPTER, MULTI MEDIA TERMINAL ADAPTER, USB NETWORK ADAPTER, PCI NETWORK ADAPTER                                                                                                                                                                                                                                                                                                                                                                                      | PART/ACCESSORIES/COMPONENT OF TELEPHONE AND MODULE OF NEXT GENERATION NETWORK       |
| 311 | BATTERY PACK                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PART/ACCESSORIES/COMPONENT OF TELEPHONE                                             |
| 312 | BUZZER/ PIEZZO RINGER                                                                                                                                                                                                                                                                                                                                                                                                                                                | PART/ACCESSORIES/COMPONENT OF TELEPHONE                                             |
| 313 | CABLE DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PART/ACCESSORIES/COMPONENT OF TELEPHONE                                             |
| 314 | DYNAMIC RECEIVER / MIC.                                                                                                                                                                                                                                                                                                                                                                                                                                              | PART/ACCESSORIES/COMPONENT OF TELEPHONE                                             |
| 315 | ETHERNET TO SERIAL, ETHERNET (GIGABITE, OPTICAL GIGABITE)                                                                                                                                                                                                                                                                                                                                                                                                            | PART/ACCESSORIES/COMPONENT OF ISLM AND MODULE OF NEXT GENERATION NETWORK            |
| 316 | EVALUATION BOARD                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PART OF CDMA TERMINAL                                                               |
| 317 | HAND SET (TELEPHONE/CDMA, CORD)                                                                                                                                                                                                                                                                                                                                                                                                                                      | PART ACCESSORIES/COMPONENT OF TELEPHONE/ CDMA TERMINAL                              |
| 318 | HOOK SWITCH                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PART/ACCESSORIES/COMPONENT OF TELEPHONE                                             |
| 319 | HOUSING SET (TELEPHONE/CDMA)                                                                                                                                                                                                                                                                                                                                                                                                                                         | PART OF TELEPHONE/ CDMA TERMINAL                                                    |
| 320 | IN CIRCUIT EMULATOR                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PART OF CDMA TERMINAL                                                               |
| 321 | KEYPAD SET (KEYBOARD)                                                                                                                                                                                                                                                                                                                                                                                                                                                | PART/ACCESSORIES/COMPONENT OF TELEPHONE                                             |
| 322 | LCD (LIQUID CRYSTAL DISPLAY) / COG (CHIP ON GLASS)                                                                                                                                                                                                                                                                                                                                                                                                                   | PART OF TELEPHONE                                                                   |
| 323 | MOULDING                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FOR PART OF TELECOMMUNICATION EQUIPMENT                                             |



MENTERI KEUANGAN  
REPUBLIK INDONESIA

DAFTAR BAHAN BAKU/MATERIAL/PART/SUB SYSTEM UNTUK INDUSTRI MANUFAKTUR TELEKOMUNIKASI

| NO. | NAMA BARANG                                                           | KETERANGAN                                       |
|-----|-----------------------------------------------------------------------|--------------------------------------------------|
| 324 | SATELLITE DECODER / RECEIVER                                          | RECEIVER EQUIPMENT OF TV VIA SATELLITE BROADCAST |
| 325 | TRANCEIVER ASSEMBLY (TRANSMITER, RECEIVER)                            | PART/ACCESSORIES/COMPONENT OF TELEPHONE          |
| 326 | VBI (VERTICAL BLANKING INTERVAL) /TUNER CARD (TV TUNER/BOX, INSERTER) | PART OF VBI NET                                  |

MENTERI KEUANGAN REPUBLIK INDONESIA,

Salinan sesuai dengan aslinya:  
Kepala Biro Umum

ttd,-

u.b.

BOEDIONO

Kepala Bagian T.U. Departemen,

Koemoro Warsito, S.H., M.Kn.

NIP 060041898