

Pakistan International Airlines
Engineering Business Development
Engineering Department
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Tender Ref#: Tender/LLP/2021/01

Dated: 19-03-2021

Tender Fee (Non-refundable): PKR 15,000 (For local Bidders)

USD 500 (For foreign Bidders)

Printable at paper size: A4 page

INVITATION TO TENDERS

(Instructions to Bidders Must Read Carefully)

M/s. _____

Subject: **Sale of Aircraft CF6-80/CF6-50/CFM56 Life Limited Parts (LLPs)**

PIACL is pleased to invite the sealed tenders for CF6-80, CF6-50 and CFM56 Life Limited Parts (LLPs) listed in the attached Exhibit A on 'As is Where is' basis. Bidders can submit their offers for any number of listed LLPs. The offers must be made separately on the prescribed form (Exhibit B). Additional sheets may be used. Bidders are to offer their price against each of the Serial Numbers they are interested to buy.

Tender TORs and list of tools offered for sale can be accessed on following link:

www.piac.com.pk/corporate/sales-procurement/tenders

Prospective bidders may contact at dce.ebd@piac.aero, for additional information if required.

Terms & Conditions of the tender are:

A) PREPARATION OF BIDS

Bids will be prepared on "Single Stage - Single Envelope" basis. All bidders must submit **one sealed envelope** on or before specified tender opening date/time with following documents:

- The Tender TORs, signed and stamped on all pages
- Tender Schedule (Exhibit B) duly filled, signed and stamped on every page.
- Banker's Cheque of PKR15,000/- (Non Refundable) for local bidders or swift transfer receipt of USD 500 (Non Refundable) for Foreign Bidders as Tender Fee.
- Banker's Cheque (from any scheduled bank of Pakistan) of 5% of bid value as Earnest Money (Refundable/Interest Free) from Local bidders (**Foreign Bidders exempted**).

The bid will not be considered if complete information required is not given therein.

Authorized signatures of individual signing the bid and other documents connected with the contract must specify whether signing as:

- Sole Proprietor or his attorney.
- A registered active partner of the firm or his attorney.
- For the firm per procreation.
- As secretary, Manager, Partner, etc., or their attorney in case of firms registered under Partnership Act.

Sign & Seal of Bidder

- The Bidders must indicate whether their firm / company / organization etc is registered with PIA or not. If registered then specify PIA Registration number.

B) RATES AND PRICES

- The Prices quoted must be net as per accounting unit as shown in the Tender Schedule (Exhibit B) exclusive of all duties / taxes and Government levies as applicable at the time of bidding.
- The Prices mentioned in the bid will be treated as firm till the completion of Contract.
- The Prices must be stated both **in words and figures** in PKR or USD. Additional information, if any, must be linked with entries on the Tender Schedule (Exhibit B).
- Foreign Bidders must bid in USD only. Local Bidders may bid in PKR as well. However one Bidder must bid in one currency only.
- Offers must be valid for 90 days. However the Bidder(s) may be requested to extend the validity of bids, in case of excusable delay.
- Rates must be written on PIA prescribed form attached as Tender Schedule, Exhibit B, otherwise Bids will not be entertained.
- Addition, deletion, correction, use of white fluid or over writing strictly not allowed otherwise tender may be out rightly rejected.

C) SUBMISSION OF TENDER

- You are required to send your sealed bids on “**Single Stage - Single Envelope Basis**” clearly mentioning “**Sale of CF6-80/CF6-50/CFM56 LLPs**” and addressed to **GM Contract Management, Supply Chain Management (Store) Building, PIAC Head Office, JIAP Karachi-75200** by **28-04-2021**. The bids may also be dropped in the tender box marked as “**Tender Box Disposal Section**” placed at the entrance of the PIA Supply Chain Management (Store) Building at mentioned address, or sent through courier, latest by **10:30 hours** on the specified date.
- Bid should be sealed with Scotch Tape, Bidder’s signature and stamp affixed.
- Incomplete, tempered bids will not be considered.
- Bids received after stipulated date & time shall not be considered. The Corporation will not be responsible for any postal delays. The decision of PIACL in this respect shall be final and binding.
- The Bids should be accompanied by a 5% (five percent) of the total bid value having been deposited in terms of a Banker’s Cheque [from any scheduled bank of Pakistan] payable at Karachi in lieu thereof in the name of **M/s PAKISTAN INTERNATIONAL AIRLINES** as interest free **Earnest Money (Refundable)**. Earnest Money in any other shape shall not be accepted. Earnest Money deposited shall not be transferable as earnest money for any other tender. Bids without Earnest Money shall not be considered. **The Earnest Money is not required from Foreign Bidders.**
- Bids will be opened at **11:00 hours** the same day **(28-04-2021)** at Supply Chain Management (Store) Building. The Bidder(s) or their duly nominated representative(s) may witness the process, if desired so.

Sign & Seal of Bidder

D) BID EVALUATION

- Bids will be evaluated on offered prices.
- If bids are received in both currencies, i.e. PKR and USD, rates will be converted into PKR, at the rate specified by PIA Finance on the date of bid opening, for bid evaluation purpose.

E) ACCEPTANCE OF TENDER

- Successful Bidder(s) will be notified about the same, through email. They shall have to remit 25% (twenty-five percent) Deposit within ten (10) business days of notification; failing which PIACL may cancel/reject their offer(s).
- Remaining 75% amount is to be deposited within thirty (30) business days of notification.

PIA's Right to accept any Proposal and to reject any or All Proposals

- PIACL reserves the right (without limitation to any other right whatsoever) to accept or reject any offer, or to annul the bidding process and reject all offers at any time prior to contract award without incurring any liability to the affected Bidder(s). PIACL shall communicate the grounds for its rejection of all bids, if requested; but is not required to justify those grounds.
- PIACL also reserves the right (without limitation to any other right whatsoever) to award the consolidated contract in its entirety to a single Bidder or to award it in parts to more than one Bidder without incurring any liability to the affected Bidder(s).
- Extend the date of opening (if deemed necessary).

F) INSPECTION

- Inspection shall be held on or before **Apr 27, 2021**. Only those bidders shall be allowed to inspect the CF6-80, CF6-50 and/or CFM56 LLPs who have deposited the tender fee to PIA.
- For inspection, the bidders should submit three (3) copies of CNIC/Passport of the inspector on or before **Apr 12, 2021**.

G) Bank Details

Tender Fee of USD 500 to following Account

Bank: Citibank NA, 111 Wall Street, NY 10043, USA.

Beneficiary: Pakistan International Airlines

Account No: 38136982

Swift Code: CITIUS33.

ABA#: 021000089

LLPs advance and remaining payment to following Account

Account Title: PIAC MARKETING COLLECTION

IBAN: PK31 HABB 0000480017871403

SWIFT Code: HABBPKKA048

Bank: HBL PIA Airport Branch Karachi

Yours truly,
for Pakistan International Airlines

Dy Chief Engineer (EBD)

Encl:

1. List of Tools Exhibit A
2. Tender Schedule Exhibit B

Sign & Seal of Bidder

Tender No: Tender/LLP/2020/01

Date:

M/s. _____

Tender Schedule Exhibit B

Subject: Quotation for the Purchase of Aircraft CF6-80/CF6-50/CFM56 LLPs

Description	CF6-80/CF6-50/CFM56 LLPs		
Currency	PKR/USD (Cross out which is not applicable)		
Serial#	LLP Part Number	Offered Purchase Price	
		In Figures	In Words
1	Per list attached as Exhibit A		

Party Name:

Address:

Telephone No: _____ Fax No: _____

Email Address: _____

Seal & Signature:

Exhibit A

CF-80 Life Limited Parts List

S/N	NOMENCLATURE	PART NUMBER	SERIAL NUMBER
1	FAN SPOOL S2-5	1856M71P02	VOL10265
2	FAN FWD SHAFT	1277M75G09	GWNDB915
3	FAN FWD SHAFT	1855M57G01	GWNGS185
4	FAN MID SHAFT	1862M41P04	MPOY7827
5	FAN MID SHAFT	1862M41P04	MPOAG903
6	SPACER IMPELLER	1539M12P02	GFFP7550
7	LPT DISK S-1	9373M51P04	SNG10529
8	LPT DISK S-2	9373M52P04	FIA1M441
9	LPT DISK S-3	9373M53P07	FIAAF2C9
10	LPT DISK S-4	9373M54P04	FIAN3200
11	LPT DISK S-5	9373M55P04	FIA2F471
12	LPT DISK S-1	9373M51P04	SNG11989
13	LPT DISK S-2	9373M52P07	FIAAGK33
14	LPT DISK S-3	9373M53P05	SNG11475
15	LPT DISK S-5	1863M25P01	FIAAH38E
16	CDP SEAL	1347M31P01	NCE97010
17	HPC DISK S-1	9380M26P06	SNL16298
18	HPC DISK S-1	9380M26P03	SNG10613
19	FAN FWD SHAFT	1855M57G01	TMTLN332
20	HPC DISK S-1	1644M21P04	LA148773-2
21	HPC DISK S-1	1644M21P04	DC338326-8
22	HPC DISK S-1	9380M26P06	SNG16007
23	HPC DISK S-1	1644M21P04	LA143407-8
24	HPC DISK S-1	1644M21P04	LA128535-7
25	HPC DISK S-1	1644M21P04	DC338657H
26	HPC DISK S-1	1644M21P04	LA152670-9
27	HPC DISK S-1	9380M26P02	SNG09897
28	HPC DISK S-2	9380M27P08	GFD02384
29	SPACER IMPELLER	1539M12P02	CFF5CF5T
30	SPACER IMPELLER	1539M12P02	GFF5FOME
31	SPACER IMPELLER	1539M12P02	GFF5DGP5
32	SPACER IMPELLER	1539M12P02	GFF5CCGN
33	SPACER IMPELLER	1539M12P02	GFF5F17T
34	SPACER IMPELLER	1539M12P02	GFF5CFED
35	HPT VANE RING	2047M10P01	MUNTH771
36	HPT VANE RING	2047M10P01	MUNTA803
37	HPT VANE RING	2047M10P01	MUNTR024
38	HPT VANE RING	2047M10P01	MUNTR026
39	HPT VANE RING	2047M10P01	MUNTA359
40	HPT VANE RING	9290M28P15	MUNWE444
41	HPC SPOOL S3-9	1856M15G02	VOLD6000
42	HPC SPOOL S3-9	1856M15G02	VOLD0865
43	HPC SPOOL S3-9	1856M15G02	VOLD3546
44	HPC SPOOL S3-9	1856M15G02	VOLB8212
45	HPC SPOOL S3-9	1856M15G02	VOLD2806

46	HPC SPOOL S3-9	1856M15G02	VOLD0546
47	HPT DISK S-1	1531M84G12	GWN0AR8F
48	HPT DISK S-1	1531M84G12	GWN0EKN2
49	HPT DISK S-1	2047M32G07	GWN02G3H
50	HPT DISK S-2	9362M43P09	MUNHB905
51	HPC DISK S-1	9380M26P06	SNG16003
52	HPC DISK S-1	9380M26P06	SNG10506
53	HPC DISK S-1	9380M26P03	SNG12084
54	SPACER IMPELLER	1539M12P02	LKMR1092
55	FAN DISK S-1	1703M78P06	SNG04470
56	FAN DISK S-1	1703M78P06	RRJ00319
57	HPT DISK S-2	9362M43P06	BTAC5042
58	HPT DISK S-2	9362M43P02	BTAC4020
59	HPT VANE RING	2047M10P01	MUNTH719
60	LPT SHAFT	9382M59P08	RPMFCOMD

S/NO.	NOMENCLATURE	PART NUMBER	SERIAL NUMBER
1	HPC DISK S-1	1704M51P01	BB336793
2	HPC DISK S-2	9081M45P05	GATCW39P
3	HPC DISK S-2	9081M45P02	GWNK6473
4	HPC DISK S-2	9081M45P02	MPOA1089
5	HPC DISK S-2	9081M45P02	GAT55231
6	HPC DISK S-2	9081M45P02	GAT5102J
7	HPC 3-9 SPOOL	1856M16G01	MUNCV537
8	HPC 3-9 SPOOL	1856M16G01	MUNDB014
9	HPC 3-9 SPOOL	1856M16G01	MUNGV425
10	HPC 3-9 SPOOL	1856M16G01	BTAAR312
11	HPC 3-9 SPOOL	1856M16G01	BTAAR608
12	HPC 3-9 SPOOL	1856M16G01	MUNCV607
13	HPC 3-9 SPOOL	9136M89G21	MUNAV070
14	HPC 3-9 SPOOL	9136M89G29	MUNAV123
15	HPC 3-9 SPOOL	1856M16G01	MUNDB003
16	HPC DISK S-10	9032M49P03	SNL15564
17	HPC DISK S-10	9032M49P03	SNG14644
18	HPC DISK S-10	9032M49P03	MPOE7645
19	HPC DISK S-10	9032M49P03	GWNY2573
20	HPC DISK S-10	9032M49P03	GAT8114N
21	HPC DISK S-10	9032M49P03	SNE00927
22	HPC DISK S-10	9032M49P03	GAT6913K
23	HPC DISK S-10	9032M49P03	SNL45042
24	HPC DISK S-10	9032M49P04	GWNK8281
25	HPC DISK S-10	9032M49P03	GWNCB260
26	HPC SPOOL 11-13	9050M29P15	MPOK6289
27	HPC SPOOL 11-13	9050M29P15	MPOG6663
28	HPC SPOOL 11-13	9050M29P15	MPOA6678
29	HPC SPOOL 11-13	9050M29P15	MPOM3701
30	HPC SPOOL 11-13	9050M29P15	MPOK6935
31	HPC SPOOL 11-13	9050M29P15	MPOK5487
32	HPC SPOOL 11-13	9050M29P15	MPOC2245
33	HPC SPOOL 11-13	9050M29P15	MPOQ2721
34	HPC 11-14 SPOOL	1999M21P02	GWNTF295
35	HPC DISK S-14	9080M34P04	SNL16059
36	HPC DISK S-14	9080M34P04	GWNY2690
37	HPC DISK S-14	9080M34P04	GWNCF218
38	HPC DISK S-14	9080M34P04	SNG11765
39	HPC DISK S-14	9080M34P04	SNL17046
40	HPC DISK S-14	9080M34P04	SNL15370
41	HPC DISK S-14	9080M34P04	RRY00692
42	HPC DISK S-14	9080M34P04	SNL16789
43	HPC DISK S-14	9080M34P04	GWNCD672
44	HPC CDP SEAL	9083M15P02	SNL16470
45	HPC CDP SEAL	9083M15P02	SNL01038
46	HPC CDP SEAL	9083M15P02	SNL16478
47	HPC CDP SEAL	9083M15P02	CAV33953
48	HPC CDP SEAL	9083M15P02	SNL11885
49	HPC CDP SEAL	9083M15P02	SNL17886
50	HPC CDP SEAL	1703M55P02	BCM22647

51	HPC CDP SEAL	9083M15P02	SNE12686
52	HPC CDP SEAL	9083M15P02	SNL18552
53	HPC CDP SEAL	9083M15P02	SNL48534
54	HPC CDP SEAL	9083M15P02	CAV33956
55	CDP SEAL SUPPORT	9083M16P03	NCE72558
56	CDP SEAL SUPPORT	9083M16P03	SNL11013
57	CDP SEAL SUPPORT	9083M16P03	SNL12447
58	CDP SEAL SUPPORT	9083M16P03	SNL11003
59	CDP SEAL SUPPORT	9083M16P03	SAT00237
60	CDP SEAL SUPPORT	9083M16P03	ASVB6702
61	CDP SEAL SUPPORT	9083M16P03	NCE67115
62	CDP SEAL SUPPORT	9083M16P03	SNL11199
63	CDP SEAL SUPPORT	9083M16P03	SNL12592
64	CDP SEAL SUPPORT	9083M16P03	SNL16588
65	CDP SEAL SUPPORT	9083M16P03	SNL11202
66	CDP SEAL SUPPORT	9083M16P03	ASVB6679
67	CDP SEAL SUPPORT	9083M16P03	SNL11899
68	CDP SEAL SUPPORT	9083M16P03	SNE01299
69	CDP SEAL SUPPORT	9083M16P03	SNL11004
70	CDP SEAL SUPPORT	9083M16P03	SNL11533
71	HPC REAR SHAFT	1999M25P08	PPMDK955
72	HPT FWD. SHAFT	9234M35P03	GWNY3839
73	HPT FWD SHAFT	9234M35P03	NCE77483
74	HPT DISK S-1	1473M65P02	MPOBL267
75	HPT DISK S-1	1473M65P02	BTAAS750
76	HPT DISK S-1	1473M65P02	BTAS5544
77	HPT DISK S-1	1473M65P02	BTAAS125
78	HPT DISK S-1	1473M65P02	RPMCB920
79	HPT DISK S-1	1473M65P02	MPOBK517
80	HPT DISK S-1	1473M65P02	BTAAS323
81	HPT DISK S-1	1473M65P02	MPOBL670
82	HPT DISK S-1	1473M65P04	BTABL392
83	HPT DISK S-2	1713M86P04	MUNAT855
84	HPT DISK S-2	1814M73P03	BTAA4481
85	HPT DISK S-2	1713M86P04	MUNAT039
86	LPT FWD. SHAFT	9061M28P10	MPOG6647
87	LPT FWD. SHAFT	9061M28P10	PMOA0300
88	LPT FWD. SHAFT	9061M28P10	MPOE6544
89	LPT FWD SHAFT	9061M28P09	MPOA0676
90	LPT FWD. SHAFT	9061M28P10	SNE00385
91	LPT FWD SHAFT	9061M28P10	SNE00699
92	LPT FWD. SHAFT	9061M28P10	SNE00448
93	LPT REAR SHAFT	9061M26P22	SNE00587
94	LPT REAR SHAFT	9061M26P22	SNE00407
95	LPT REAR SHAFT	9061M26P20	MPOA0831
96	LPT REAR SHAFT	9061M26P22	SNE00488
97	LPT REAR SHAFT	9061M26P20	MPOA0821
98	LPT REAR SHAFT	9061M26P22	MPOH5272
99	LPT DISK S-1	9061M21P03	MPOG9861
100	LPT DISK S-1	9061M21P03	SNL16094
101	LPT DISK S-1	9061M21P03	SNL16023
102	LPT DISK S-1	9061M23P10	RPMCB215
103	LPT DISK S-1	9061M21P03	RPMBR219
104	LPT DISK S-1	9061M21P03	SNL01532
105	LPT DISK S-1	9061M21P03	MPOBM232
106	LPT DISK S-1	9061M21P03	SNL17123
107	LPT DISK S-1	9061M22P07	MPOA3021
108	LPT DISK S-1	9061M24P07	SNE00153
109	LPT DISK S-1	9061M23P10	SNL18028
110	LPT DISK S-2	9061M22P11	MPOT9839
111	LPT DISK S-4	9061M24P05	MPOO7482
112	LPT DISK S-4	9061M24P07	SNE00503
113	LPT DISK S-4	9061M24P07	SNE00735
114	LPT DISK S-4	9061M24P07	SNE00061
115	LPT AIR TUBE	9061M70G10	KLA01585
116	LPT AIR TUBE	9061M70G01	KLAL0134
117	LPT AIR TUBE	9061M70G01	KLA00686
118	LPT AIR TUBE	9061M70G01	KLA01117
119	LPT AIR TUBE	9061M70G01	KLA01617
120	LPT AIR TUBE	9061M70G01	KLA00575
121	LPT AIR TUBE	9061M70G10	KLA01642

CFM56 Life Limited Parts List

S/N	NOMENCLATURE	P/N	S/N
1	FAN Shaft	335-006-414-0	J154329
2	HPTR FWD Rot. Air Seal	1282M72P05	GWNSC218
3	HPT FWD Rot. Air Seal	1282M72P05	GWNSC057
4	HPTR FWD Shaft	1385M90P04	TMTKW543
5	HPTR FWD ROT. AIR SEAL	1282M72P05	GWN0920C
6	LPT Disk Stg 1	301-331-125-0	J211934
7	LPT Disk Stg 2	301-331-227-0	BB647620
8	LPT Disk Stg 2	301-331-227-0	BB685919
9	LPT Stub Shaft	301-330-624-0	RO17971
10	HPC disk stg 3	1590M59P01	GWN004KD
11	LPT Conical support	305-056-116-0	DA480822
12	LPT Conical support	305-056-116-0	BB480162
13	LPT disk stg 4	301-331-429-0	DB688579
14	Stub shaft	301-330-624-0	J149695
15	HPTR Rear shaft	9514M71P06	TMTDK242
16	HPC 4-9 SPOOL	1588M89G03	GWN09413
17	HPC 4-9 SPOOL	1588M89G03	GWN03A2J
18	**HPT FWD ROT. AIR SEAL	1282M72P03	GWNK347

CFM56 Life Limited Parts List

S/NO.	NOMENCLATURE	P/N	S/N
1	Booster Spool	335-009-306-0	R023490
2	CDP Rot. Air Seal	1319M25PO2	GFFN3663
3	FAN Disk	335-014-511-0	J175996
4	HPT FWD Rot. Air Seal	1282M72P05	XAEJ5530
5	HPT FWD Rot. Air Seal	1282M72P05	GWNGG325
6	HPT FWD ROT. AIR SEAL	1282M72P05	GWNGJ556
7	HPT FWD Shaft	1385M90P01	GWNY3230
8	HPT FWD Shaft	1385M90P04	GWNGK514
9	HPT FWD shaft	1385M90P04	GWNGN729
10	HPT Rear Shaft	1864M91P02	TMTTH395
11	HPT Rear Shaft	9514M71P07	TMTMS527
12	HPT Rear Shaft	9514M71P04	GWNKC599
13	HPT Rear Shaft	9514M71P07	DED23836
14	HPT Rear Shaft	9514M71P04	DED22990
15	LPT Conical support	305-056-116-0	J184470
16	LPT Conical support	305-056-116-0	DA352697-J
17	LPT Conical support	305-056-116-0	DA481512-T
18	LPT Conical Support	305-056-116-0	J174896
19	LPT Conical Support	305-056-116-0	BA603315-G
20	LPT Conical support	305-056-116-0	DC055651-R
21	LPT Conical support	305-056-116-0	J188366
22	LPT Disk Stg 1	301-331-126-0	BA349771
23	LPT Disk Stg 1	301-331-126-0	BA338432
24	LPT Disk Stg 1	301-331-125-0	J183742
25	LPT Disk Stg 1	301-331-125-0	BA333176
26	LPT Disk Stg 1	301-331-125-0	J219030
27	LPT Disk Stg 2	301-331-227-0	BB132388
28	LPT Disk Stg 2	301-331-227-0	BB150473
29	LPT Disk Stg 2	301-331-227-0	J171595
30	LPT Disk Stg 2	301-331-227-0	BC063600
31	LPT Disk Stg 2	301-331-227-0	BB150474
32	LPT Disk Stg 2	301-331-227-0	BA588532
33	LPT Disk Stg 2	301-331-227-0	BB345191
34	LPT Disk Stg 3	301-331-322-0	BA662109
35	LPT Disk Stg 3	301-331-322-0	BA569401
36	LPT Disk Stg 3	301-331-322-0	BA682252
37	LPT Disk Stg 3	301-331-322-0	BA800298
38	LPT Disk Stg 3	301-331-322-0	J211960
39	LPT Disk Stg 3	301-331-322-0	BB877050
40	LPT Disk Stg 3	301-331-322-0	J175002
41	LPT Disk Stg 4	301-331-427-0	DA481542
42	LPT Disk Stg 4	301-331-429-0	BA975654
43	LPT Disk Stg 4	301-331-427-0	RO33355
44	LPT Disk Stg 4	301-331-427-0	J223641
45	LPT Disk Stg 4	301-331-427-0	DA702837
46	LPT Disk Stg 4	301-331-427-0	J170657
47	LPT Disk Stg 4	301-331-427-0	DA481563
48	LPT Shaft	301-330-067-0	FO16828
49	LPT Shaft	301-330-067-0	LAO96603
50	LPT Shaft	301-330-067-0	LAO86856
51	LPT Shaft	301-330-068	LAO96605-2
52	LPT Stub Shaft	301-330-626-0	RO31715
53	CDP Rot. Air Seal	1319M25PO2	GFF5DR9T

CFM56 Life Limited Parts List

S/NO.	NOMENCLATURE	P/N	S/N
54	HPC Stg.3 Disk	1590M59P01	XAEH5257
55	HPC. 1-2 Spool	1589M66G02	GWN0FAL8
56	HPC 4-9 Spool	1590M29G01	GWNYF210
57	HPT Rear Shaft	9514M71P07	TMTRY251
58	HPT Rear Shaft	9514M71P07	TMTMS550
59	HPC FRONT SHAFT	1275M37P02	GWNGS162
60	HPC STG 3 DISK	1590M59P01	GWN01DW9
61	HPC 1-2 SPOOL	1589M66G02	GWNBP641
62	HPC 4-9 SPOOL	1590M29G01	GWNWS044
63	CDP ROT. AIR SEAL	1319M25P02	GFFR8DHW