

## Clarifications

### **Invitation to Bid “Consolidated Storage Solution for Head Office and DR Site with Complete Support and Warranty” (No. T# 16(ii)/15-16)**

Clarifications issued in response to queries received before/during the pre-bid meeting held on February 01, 2016 are as under:

Q-1 Do SECP needs a Warranty of 24x7?

Ans: 24/7 Support is required for software only; rest for the hardware (Disk replacement etc.) vendor can quote appropriate options.

Q-2 Does SECP requires a 32GB cache per controller?

Ans: It is a minimum requirement and it is totally separate from the FAST cache.

Q-3 Different growth rates are mention which should be taken as base growth rate?

ANS: You can take 30% growth as base growth rate.

Q-4 What type of training is required?

Ans: Instructor lead training is required from a certified professional trainer.

Q-5 Who will verify the correctness and verification of migrated data?

Ans: Third party will verify the correctness and verification of the migrated data. The third party arrangement will be the responsibility of the vendor.

Q-6 Disk Calculation in the 50% and 70% are same and seems a typo error.

ANS: Number of disk in related tables please be read as under:

Under 50% growth Table 6

Primary Site

SAS 1.2TB x 58

NS-SAS 2TB x 34

DR Site

SAS 1.2TB x 50

NS-SAS 2TB x 42

Under 70% growth Table 7

Primary Site

SAS 1.2TB x 66

NS-SAS 2TB x 34

DR Site

SAS 1.2TB x 58

NS-SAS 2TB x 42

Q-7 Disk capacity greater than 2TB will be accepted or not?

Ans: Disk capacity greater than 2TB offered will not be accepted.

Q-8 Training cost should be Included in the proposal?

Ans: We need FoC training.

Q-9 Queries submitted via e-mail?

Ans: All the queries submitted so far will also be updated on the web and will be the part of pre-bid meeting.

Q-10 Size of data on VNX 5300?

Ans: All the existing data and used space is already mentioned and shared in the RFP.

Q-11 CM related activities if required will be done by whom?

Ans: It is the responsibility of the vendor, either by himself or from the third party.

Q-12 New storage replication is required?

Ans: Yes, and mentioned in the RFP (3 Years SLA for existing Recover Point or any other method of your own with compression with support 50mbps link.

Q-13 Please mention the existing Recover Point details?

Ans: Following is the RP Specs.

Active CentraStar software version: 4.2.1-4184-0-1

RP version: 4.0.SP2.P1(m.29)

Hardware Platform: Dell Inc. PowerEdge R610 GEN4

Hardware Serial ID: *NNG05122810292* and *NNG05122810294*

Q-14 Volume and raid calculations are on the basis of what?

Ans: All the calculations mentioned are on the basis on current utilization of SAN and 30% to 70% growth in next three years.

Q-15 In the existing storage solution of VNX 5300, how many virtual machines are hosted?

Ans: We currently have 200 VM's in total other than this we have ORACLE, Journaling and swap space.

Q-16 Does SECP requires a Rack base storage?

Ans: Yes, we need a ready to power on solution.

Q-17 NAS Migration protocol and maximum size?

Ans: CIFS protocol is used for NAS. Stub file location on NAS is 400GB.

Q-18 Does SECP requires a separate FAST cache?

Ans: Yes we need a separate FAST cache. (600GB or higher)

Q-19 Please mention the replication link bandwidth details?

Ans: We have a dedicated link of 50 Mbps for the replication purpose.

Q-20 What will be the payment terms?

Ans: Contract will be signed after issuing with the PO in which payment terms will be finalized.

Q-21 Terms and conditions mentioned on page 4 item # 39?

Ans: List attached.

Q-22 What do you mean by the Product life cycle dates?

Ans: Product life cycle include the general announcement date, end of life dates and end of support dates. The vendor offering any product must have to mention the complete product life cycle of it.

#### **Clarification issued to Queries received through email.**

1. Please share details for all archive applications (Like IBM CM) that archive to and storage data on the Cenetra at each site.

**Answer: Only IBM CM x 2 instances**

2. What is the current, for each archive app like IBM CM, deployment architecture and data flow i.e. looks like IBM CM is running on a EMC NAS system (or what NAS – CT supports emc nas and netapp) and EMC CTA (cloud tiering appliance formerly Rainfinity) tiers files from the NAS to centera leaving stubs behind for access.

What other Archive apps and what is the implemented architecture and data flow/archive flow, in addition to IBM CM, ??NAS and CTA to centera

**Answer: Documents are stored on VMDK on VNX, CM moves Docs to NAS share after 24hrs, Rainfinity moves Docs leaving STUBS of 8k at a scheduled interval**

3. Is there any direct storage of IBM CM files to the centera through a Rest API or other protocols. What protocols or access APIS do any other archive applications use – centera native API or cifs/nfs (through centera cifs/nfs gateway device)

**Answer: NO**

4. Will the customer accept having all the IBM CM content stored directly in a content platform without the NAS system and separate file tiering appliance to the archive system?

This is a very common deployment for IBM CM, Veritas EV and Documentum as examples, using either Rest API (HTTPS) or nfs or CIFS.

Our integration with IBM CM is Rest API (HTTPS).

Answer: We are not looking for another archiving solution. Migrated data will be stored on VMDK of VM.

5. If want to retain the NAS system, what is the capacity of the NAS system associated with IBM CM (and other archiving apps) - the usable required and preferred?

Answer: NAS system is not required for CM Contents however based on the migration plan the vendor can best judge the NAS requiremetn.

6. What is the link bandwidth between sites?

Answer: Already mentioned in the RFP. 50Mbps

7. What is the current daily ingest rate at peak

Answer: Storage or Link, query not clear

8. What is the current access rate from the IBM CM

Answer: 5 to 8 GBPS read + write / day

9. How many file objects are on each centera

Capacity / Pool	Alert Quota	Hard Stop Quota	Used	C-Clips	Files
Total PR	9.7 TB	--	7.6TB	11183233	22260800
Total DR	9.7 TB	--	7.8TB	12259361	24520044

10. What is the current used capacity on each centera

Answer: Archive Data volume is already mentioned in RFP in tabular form

11. Is the DR centera only a replication target of the primary or is their active ingest at both sites

Answer: Raplication Target only

12. Is the IBM CM at DR for failover only or are both Main and DR IBM CM systems actively used (replicating across to the other site?)

Answer: Failover Only

13. List of regulated items under Pakistan Standards and Quality Control Authority (PSQCA) is attached as Annex – I

90 MANDATORY ITEMS LIST OF PSQCA

S #	Subject	PSS #
1	AC Watt hour meters	60521
2	Asbestos Cement Building and Sanitary Pipes	429
3	Asbestos Cement Corrugated for roofing & cladding	1053
4	Asbestos Cement pipe fitting for building and sanitary purposes	2035
5	Asbestos Cement pressure pipes	428
6	Asbestos Flat Sheets	579
7	Apple Juice	PS: 1738 - 2000
8	Balanced Feed Mixture for Live Stock	234
9	Ballast for Tubular Fluorescent Lamp - Performance Requirements	497
10	Banaspati	221
11	Biscuits (Excluding Wafer Biscuits)	383
12	Butter	PS: 1831 - 1997
13	Carbonated Beverages	1654
14	Bottled Drinking Water	4639
15	Cold Worked Steel Deformed Bars for the Reinforcement of Concrete	1812
16	Cooking Oil (Blended)	2858
17	Cotton Seed Oil Cake Expeller Type	96
18	Chilly Powder	PS: 1742 - 1997
19	Concentrated Fruit Juice	PS: 527 - 1992
20	Condensed Milk	PS: 364 - 1991
21	Curry Powder	PS: 1741 - 1997
22	Deformed & Plain Billet Steel Bars	1879
23	Discharge Lamps/Compact Fluorescent Lamps (H.S.Code 8539,3200,8539,3910 & 8539, 3990)	PS/IEC :60968 & PS/IEC:60969
24	Edible Sesame Seed Oil	98
25	Food for Infants and Children	PS: 1688 - 1985
26	Flavoured Milk	PS: 3189 - 1992
27	Fruit Squash	PS: 506 - 1997
28	Gas Appliances-General Requirements	4860

29	Gas Applied fired Room Heater-Vented	4859
30	Gas Cooking Range	4857
31	Gas Cooking Stoves	1560
32	Gas Fired Radiant Room Heaters un-vented & semi-vented type	3656
33	Gas Water Heaters	4858
34	Honey	PS: 1934 - 2007
35	Iodized Salt	1669
36	Jams ( Fruit preserve ) & Jellies	PS: 2096 - 1989
37	Lead Acid Batteries (for Motorcycles)	4082
38	Lead Acid Starter Batteries (for motorcar)	206
39	Margarine	1653
40	Mayonnaise	PS: 3947 - 1997
41	Marmalade	PS: 514 - 1985
42	Milk Powder (whole and Skim)	PS: 363 - 1991
43	Methods for measuring the performance of electric kettles, jugs for house holds and similar purposes	253
44	Methods for measuring the performance of Electric Toasters for house hold and similar purposes	661
45	Mild Steel Bars	231
46	Mild Steel Oil Pressure Utility Stoves	797
47	Natural Mineral Water	2102
48	Non-Pressure Oil Stoves	928
49	Oil Pressure Stoves Brass Type	682
50	Orange Juice	PS: 1738 - 2000
51	Palm oil (Edible grade for cooking purposes)	1561
52	Pickets	PS: 520 - 1999
53	Polypropylene Woven Sacks for Packing (Sugar)	3128
54	Portland Blast Furnace Cement not Exceeding 65% blast furnace slag	1631
55	Portland Cement	232
56	Poultry Feeds	233
57	PVC Insulated Cables (Non Armoured) for Electric Power & Lighting	714
58	PVC Pressure Pipes for Cold Potable Water	3051

59	Reciprocating Internal Combustion Engine	1806
60	Refined Coconut Oil	90
61	Refined Cotton Seed Oil	21
62	Refined Maize Corn Oil	1562
63	Refined Mustard Oil	25
64	Refined Soya bean Oil	1563
65	Refined Sunflower Oil	1564
66	Refine Sugar & White Sugar	PS: 1822 - 2007
67	Safety Razor Blades (double edge)	219
68	Single & Twin Blade Plastic bounded Disposable Razors/p>	2002
69	Sulphate Resisting Portland Cement	612
70	Synthetic Vinegar	PS: 3602 - 1994
71	Tea Black	PS: 493 - 2000
72	Three Wheeler Auto Vehicles	4708
73	Tubular Fluorescent Lamp	292
74	Tungsten Filaments Lamps for General Services	17
75	Induction Motors	PS/IEC : 60034 Part I to IV
76	Two Wheeler Auto Vehicles	4707
77	Turmeric(Ground & Powdered)	PS: 1820 - 2000
78	Wafers Biscuits	614
79	Tooth Paste	PS: 1721
80	Toilet Soap	PS: 13
81	Shampoo	PS: 3509
82	Synthetic Detergent Powder for General Purpose	PS: 4986
83	Powder Hair dyes	PS: 4079 - 1998
84	Oxidation Hair dye Liquid	PS: 5250 - 2013
85	Structural Steel	PS: 4798
86	Tin Plate	PS: 4773 / 2002 (466 - 2001 ISO 11949 - 1995)
87	Urea (Prilled and Granular)	(1) PS: 217 / 2009

		amended 2011
88	Di-Ammonium Phosphate (DAP)	(II) PS: 3517
89	Single Super Phosphate	(III) PS: 67
90	Triple Supper Phosphate	(IV) PS: 216

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