

**PART E**  
**SPECIFICATIONS**

## PART E - SPECIFICATIONS

### GENERAL

#### E1. GENERAL

E1.1 These Specifications shall apply to the Work.

#### E2. GOODS

E2.1 The Contractor shall supply and install Hitachi Data Systems (HDS) 9570V Modular Storage System in accordance with the requirements hereinafter specified.

E2.2 Item No. 1 - Hitachi Data Systems (HDS) 9570V Modular Storage System shall be composed of the following:

- (i) 44 x 146GB FC (Fibre Channel) Drives, Dual Controller 9570V, 2GB Cache;
  - (ii) 19" Rack with Dual Power Distribution Unit (PDU);
  - (iii) Resource Manager and HiCommand Device Manager Software;
  - (iv) 12 Months Basic Warranty for all Hardware Components and the Resource Manager;
  - (v) 12 Months Standard Warranty for the HiCommand Device Manager Software.
- (b) Item No. 2 - 9500 Product Documentation Library (Product Code: 043-100089-01.P)
  - (c) Item No. 3 - 9500 HiTrack CD (Product Code: 043-100090-01.P)
  - (d) Item No. 4 - 9500 Microcode Kit (Product Code: 043-100091-01.P)
  - (e) Item No. 5 - 9500V USA Service Pack (Product Code: 043-100099-01.P)
  - (f) Item No. 6 - 9570V Service Advanced Installation (Product Code: 043-990053-01.P)
  - (g) Item No. 7 - 9570V Svc RK Warranty/Weekday Basic 1mo (Product Code: 043-990055-01.P)
  - (h) Item No. 8 - 9500V Svc RKA Warranty/Weekday Basic 1mo (Product Code: 043-990056-01.P)
  - (i) Item No. 9 - 19inch Rack with Dual PDU for HDS-US (Product Code: 7846400.P)
  - (j) Item No. 10 - 9500V 146GB FC 10K RPM HDD (Product Code: DF-F600-AEF146.P)
  - (k) Item No. 11 - 9500V 1GB Cache Memory Module 2 x512MB (Product Code: DF-F600-C512X2.P)
  - (l) Item No. 12 - 9570V Controller Unit(includes 2FC Intfc) (Product Code: DF-F600-F1H.P)
  - (m) Item No. 13 - 9500V 125V AC 15A Power Cord (Product Code: DF-F600-J1H.P)
  - (n) Item No. 14 - 9570V Base Unit(RK) w/1 controller (Product Code: DF600-RK.P)
  - (o) Item No. 15 - 9500V Storage Expansion Unit (RKA) (Product Code: DF600-RKA.P)
  - (p) Item No. 16 - LAN Crossover Cable 14' (Product Code: IP0663-15.P)
  - (q) Item No. 17 - Null Modem Cable (Product Code: IP0814-1.P)
  - (r) Item No. 18 - 9570V/80V/85V Resource Manager (Product Code: 044-200186-01.P)
  - (s) Item No. 19 - SVC Basic 9570V/80V/85V Resource Mgr (Product Code: 304-000564-01.P)
  - (t) Item No. 20 - 9570V HDvM v3 Base Kit (Product Code: 044-200906-01.P)
  - (u) Item No. 21 - 9570V HDvM v3 License (Product Code: 044-200907-01.P)
  - (v) Item No. 22 - SVC Std 9570V HDvM v3 License (Product Code: 304-001894-01.P)

- (w) Other HDS 9570V System Features and Software required:
  - (i) Hi-Track Remote Monitoring
  - (ii) Host Storage Domains - Virtual Private Storage
  - (iii) FlashAccess Cache Residency Manager
  - (iv) Direct Connected Servers without a SAN switch
  - (v) Including all remaining Manufacturer Standard Features.
- (x) HDS 9570V System MUST have the following options:
  - (i) Intermixed with Fibre Channel (FC) and SATA Drives
  - (ii) Upgrade with data-in-place from 9570V to 9585V with the Max RAW Capacity 64 TB when installing with all 146GB FC Drives
  - (iii) HiCommand QoS for Microsoft Exchange
  - (iv) Upgrade the Cache Memory from 2GB to 4 GB

### **E3. DELIVERY**

- E3.1 Further to D2.2(a) the goods shall be delivered to the following address:  
The City of Winnipeg  
Corporate Information Technology Department  
Administration Building  
7<sup>th</sup> Floor  
510 Main Street  
Winnipeg, Manitoba  
R3B 1B9  
  
Attention: Mr. Terence Chan
- E3.2 Goods shall be delivered between 8:30 a.m. and 4:30 p.m. on Business Days.