No. 19/02/DRIP/SMD-2019/ 306   Dated: 12th March 2019

CORRIGENDUM

Sub: **Tender for the Work of Selection of Service Provider for Supply, Installation, Test and Configure DRM Tool, Data Migration and Replication Setup for DC-DR site at Central Water Commission- reg.**

Ref: **Tender No. – 19/02/DRIP/SMD-2019/264 dated 1.3.2019**

In pursuance of discussions during the Pre-Bid meeting held on 7th March 2019 at 1500 Hours at 6th Floor (South), Sewa Bhawan, Central Water Commission, New Delhi with reference to CWC Tender No. – 19/02/DRIP/SMD-2019/264 dated 1.3.2019 for the work related to Selection of Service Provider for Supply, Installation, Test and Configure DRM Tool, Data Migration and Replication Setup for DC-DR site at Central Water Commission which has been floated at ETS Portal of TCIL on 1.3.2019 (Ref No: CWC-2019-TN000062), following amendments / corrigendum are made:

1.   Additional Para (i.e. Para No. 4 (x)) to the Section I (Invitation of Bids) in r/o minimum eligibility criteria is being inserted which may be read as:

    "The intending bidders / vendor / OEM should be empanelled in the Gartner Magic Quadrant for both 'Enterprise Backup Software' and 'Enterprise Information Archiving."

2.   Schedule of Events at Para No 6 under Section I (Invitation of Bids) may be read as

	Para No. / Name	FOR	READ AS
6 (vii)	Last date & Time for online submission of Bids	12.03.2019 at 3.00 pm	15.03.2019 at 1.30 pm
6(viii)	Last date & Time for submission of Tender Fee and Bid Security/ Earnest Money Deposit	12.03.2019 at 3.00 pm	15.03.2019 at 1.30 pm
6(ix)	Date & Time of opening of Technical Bids	12.03.2019 at 3.30 pm	15.03.2019 at 2.30 pm

3.   Para No 8.1 related to Terms of Payment under Section III(General Terms of Contract) is being amended and to be read as:

FOR	READ AS
The payment to the vendor/ supplier shall be made as under:	The payment to the vendor/ supplier shall be made as under:
➤ 100% after delivery, verification and satisfactory installation of items at	➤ 60% of payment will be made after delivery, verification and satisfactory

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respective locations, complying with acceptance criteria and after submission of performance Bank Guarantee from a Nationalised / Scheduled Bank equivalent to 10% of contract value, valid for a period of two months beyond the expiry of warranty from the date of acceptance.	installation of items at respective locations, complying with acceptance criteria and after submission of performance Bank Guarantee from a Nationalised / Scheduled Bank equivalent to 10% of contract value, valid for a period of two months beyond the expiry of warranty from the date of acceptance. DC-DR drill exercise is mandatory before the delivery / release of 60 % payments. ➤ 40 % of payment will be released after the completion / integration of DC-DR set up in all respect and up to the satisfaction of CWC.

4. Para No 4 under Section IV (Scope of Work and Technical Specification) is being amended and to be read as:

SL No.	Items	DC	DR
1	Open source Software: • My SQL-Open source • Apache Server- Open Source • PHP 5.5-Open Source • Linux Server (Ubuntu)- Open Source	1	1
2	Disaster Recovery Solution with management Software with 3 year support	1	-
3	Wildcard SSL	1	1
4	Automatic Backup Software with 3 year support #	1	1

\#
1. Any additional cost on account of any additional dependent software / hardware / interfacing device related to DC-DR implementation or DRM tool or automatic back-up software or any other software / hardware is to be entirely borne by the vendor.
2. The above condition shall be applied to the Annexe 5.2.2 (Price Bid) also.
3. In case of any dispute, decision of CWC shall be final.

5. As per the requirements of Central Water Commission related to DC-DR implementation, Technical Specifications of DRM Software under Para 7 of Section IV enumerated at Sl. No. 2, 3, 6, 11, 13, 17, 19, 24, 25, 26, 32, 33, 34, 39 to 49, 59, 61 to 72, 75 to 80, 82 to 83, 84 to 88, and 95 may be relaxed to accommodate queries raised during the pre-bid meeting on 7th March 2019 and their subsequent emails. However, quality of the work as envisaged in the tender document shall not be hampered at any cost. There should not be any customized solution or local sub-standard solution or tender specific developed code or any such below par solution which will ultimately degrade the quality of work. All the other technical specifications of DRM software under Para 7 of Section IV should be complied up for the successful DC-DR integration. A detailed presentation (converted in PDF) for the proposed integrated solution for DC- DR set up in the form of demonstration as per scope of work of said tender must be uploaded on TCIL portal for technical bid

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evaluation purpose. The same can also be sent through email at smdte@nic.in or smdte-cwc@nic.in in case of any technical issues while uploading at ETS portal of TCIL. In case of any dispute related to quality of whole solution, decision of Central Water Commission will be final.

6. As highlighted during the pre-bid meeting, **Para No 8** related to Technical Specifications of Data Backup Software is being inserted under Section IV (Scope of Work and Technical Specification) to further elaborate :

Make and Name of Solution Offered:

Sl. No.	Description	Comply [Y/N]	Remarks
Automated Backup Software (with Three Years Warranty)			
1	The software shall be primarily used to back up the necessary data. The backing up would include the various databases that shall be created for the Application, Network system, logs and reports or equivalent solution		
2	Scheduled unattended backup using policy-based management for all Server and OS platforms. The proposed backup software should be available on various OS platforms such as Windows, Linux and UNIX platforms. The software should support on-line backup and restore of various applications and Databases or equivalent solution		
3	Support native Dbase partitioning and partition swapping for fast data movement while archiving related non-partitioned data together as complete sets or equivalent solution		
4	The backup software should be capable of having multiple back-up sessions simultaneously or equivalent solution		
5	The backup software should support different types of backup such as Full back up, Incremental back up, Differential back up, Selective back up, Point in Time back up and Progressive Incremental back up and snapshots or equivalent solution		
6	Online Archive data from production databases directly to a secondary database with commit consistency and transaction integrity or equivalent solution.		
7	The backup software should support different types of user interface such as GUI, Web-based interface or equivalent solution		
8	The Software should support disk and tape storage or equivalent solution		

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10	The proposed backup solution shall also support granular recovery for VMware , Exchange server, Share point Portal or equivalent solution		
11	Online Dbase archiving should provide availability of database applications & Streamlines database backup, recovery, and cloning operations or equivalent solution		
12	Restores entire dbase archive runs or individual transactions back into production. Safety checks are performed to make sure the data is inserted correctly without jeopardizing production database integrity or equivalent solution.		
13	Proposed solution should be available on various OS platforms and be capable of supporting backup/ restores from various platforms including Windows, Linux and Solaris. Backup Management and Master Server should support running on Linux OS or equivalent solution.		
14	The Proposed Backup software shall be present as Leaders in latest Gartner's Magic Quadrant for backup software report or equivalent solution.		
15	Backup Solution should support various level of backups including full, incremental, synthetic, optimized synthetic and user driven backup along with various retention period or equivalent solution.		
16	Backup Software must provide Source (Client & Media Server) & Target base data Deduplication capabilities. Global deduplications should be activated or equivalent solution.		
17	Backup software license should be supplied for 20TB data or 4 Physical servers with all features and licenses for databases, file systems, Virtual Machines backup, virtual machines replication licenses, supplied backup appliance and tape library with two tape drives or equivalent solution.		
18	The proposed backup solution must include Agent/Modules for online backup of files, applications and databases such as MS SQL, Oracle, DB2, Sybase, MySQL, Exchange, SharePoint and distributed databases/file systems like No SQL, Nutanix, Big data and hadoop or equivalent solution.		
19	Proposed solution must provide Bare Metal Recovery, deduplication, encryption, database online backup, deduplication, backup data replication etc. with installation of single agent on clients. Multiple Agents/Binaries should not be installed on the production Servers to achieve all above features		

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	or equivalent solution.		
20	Backup Solutions should have capabilities to tape/disk-out backup catalog and deduplication catalog separately. Also should be able to replicate all catalog information along with replication of backup images to DR site or equivalent solution.		
21	Proposed Backup software should be certified to protect applications and workloads deployed in containers and dockers or equivalent solution.		
22	Proposed Backup Software must provide both Fixed Length and Variable Length Data Deduplication to allow users choose the dedup option based on the backup workload or equivalent solution.		
23	Proposed Backup solution should be integrated purpose build backup appliance (PBBA) with dedicated hardware, network, OS, security and storage. Solution should be plug & play and should be capable to scale out and up or equivalent solution.		
24	Proposed Backup solution must provide a "turnkey" fully integrated backup solution (Backup Appliance and Backup Software) from a single OEM for better supportability, performance and to avoid multi-vendor ownership which results in to daily challenges in later stage or equivalent solution.		
25	The proposed device shall support intelligence to understand Source based and target based (at client application level, backup server level and media server level) de-duplication so that only unique – non duplicated data is copied to the proposed device or equivalent solution.		
26	The proposed Backup Appliance should have integration with Physical Tape devices and offer mechanism for taking the backup on a physical tape library from the appliance seamlessly or equivalent solution.		
27	The proposed disk based backup appliance shall have flexibility to enable or disable the de-duplication feature for a given disk pool in Appliance for Faster Backup and Restoration or		

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	equivalent solution.		
28	The proposed Purpose Build Backup Disk Appliance must be capable to act as a Backup Controller/Backup Server and Data Mover/Media Server simultaneously or equivalent solution.		
29	The Proposed backup software license should not be tied to the storage device. This means if another Backup Appliance is installed at the DR site, then the appliance will not need separate dedup license or any other backup software license or equivalent solution.		

OKLI OKL
12.3.2019
Deputy Director

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1. ETS Portal of TCIL.
2. Central Public Procurement Portal
3. CWC Website

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