S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
	TENDER FOR SETTING UP OF DATA CENTER FOR DISASTER RECOVERY, BACKUP SOFTWARE, HARDWARE AND SUPPORT IN BRPL					
	Pre-Bid Replies					
	NIT NO: CMC/BR/24-25/RB/PR/MS/1192					
1	Technical Qualification Criteria	3	2. Qualification Criteria; Serial No. 3	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date.	Please remove this clause OR request you that you may ask - bidder can give a solution meeting the technical requirements and the proposed solution should have two references from the OEM side.	The bidder should have implemented the any backup &replication solution for at least 75 TB data, which should be running successfully, in at least one (1) Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/Private/Enterprise/Corporate/ Telecom in India during last 5 years, as on bid submission date.
2	Technical Query	81	M69	Shall have min dual controller/ server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution	Kindly amend the clause as - Shall have min dual CPU / Controller/ server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution	Amended Shall have min dual CPU / Controller / server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution
3	Technical Query	74	M34	The proposed Backup Solution must offer FETB (Frontend TB) & BETB (Backend TB after data reduction technologies like deduplication and compression) including unlimited Operating instances and database instances, deduplication, encryption and compression) capacity based subscription/perpetual licensing. Brief on the exact licensing approach should be stated	Kindly amend the clause as - The proposed Backup Solution must be offered as FETB (Frontend TB) capacity / BETB capacity (Backend TB after data reduction technologies like deduplication and compression) / Socket / Host based licenses including unlimited Operating instances and database instances. Bidder must also include the feature based licenses of deduplication, encryption and compression. Licenses can be quoted as subscription/perpetual based. Brief on the exact licensing approach should be stated.	BRPL would need capacity based license and should be perpetual
4	Technical Query	74	M35	The Proposed Backup Solution must offer Agent Base backup for Database Oracle, SQL, MySQL, NoSQL, MongoDB, Hadoop, Various Virtualisation technologies (HyperV/ VMWARE/ OVM/ KVM/ Nutanix). Since Licenses are based on FETB/BETB, licenses should not depend on which workloads are incorporated in backup strategy	Kindly amend the clause as - The Proposed Backup Solution must offer Agent Base backup for Database Oracle, SQL, MySQL, NoSQL, MongoDB, Hadoop, Various Virtualisation technologies (HyperV/ VMWARE/ OVM/ KVM/ Nutanix). Since Licenses are based on FETB/BETB/Sockets/Hosts licenses should not depend on which workloads are incorporated in backup strategy	As per NIT

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
5	Technical Query	24	Ai	Backup Server with Storage and SAN switch / Network switch(10G) whatever applicable with OS and all applicable software license including VM license if applicable at DC and DR with capacity to keep backup as per standard Backup policy and scalability to keep data for next 10 years(150TB Data current data and 10% increment of each year)	Please confirm the available network ports and type to connect the backup solution as uplink. For e.g. - Please confirm if 8 x 10G BASE-T (Copper) or 8 x 10G SFP+ (Optical) ports are available at both the sites.	Bidder to recommend New SAN switch (preferred Optical ports with minimum 16G) in DC and Network/SAN switch at DR as per bidder's solution
6	Technical Query	84	M84	Storage should be offered with minimum 16 cores of 2.00GHz .	Every OEM has its own optimized architecture to optimize & deliver IOPS. Asking for fix cores & CPU speed will restrict many OEM's to participate. Hence request you to please delete this clause or Please amend the clause as - Storage should be offered with minimum 12cores of 1.7GHz to support 128GB cache .	Storage should be offered with minimum 12cores of 1.7GHz to support 256 GB cache .
7	Technical Query	84	M88	Node should house SSD, SAS, NL-SAS or SATA disks	For Better performance & optimized use of storage , Tiering is a must so that Hot data can be moved from Capacity Tier to Performance Tier & Vice versa Request you to please ammend the clause as :- Storage should support SSD, SAS, NL-SAS or SATA disks. Storage should also support Tiering of data arocss all 3 tiers	Tiering function nice to have and Bidder can provide this function if required
8	Technical Query	84	M89	Minimum RAM configuration should be 128 GB per Node M85:The system should be offered with minimum 128GB Cache	it's a contradictory point with point no M85(pg-84) where the ask is for 128Gb cache per system,the solution supports 128GB System memory RAM across array and more with higher model Please confirm which one to be considered	No Change in M89 and please refer S.No 61 for M85
9	Technical Query	87	M101	Data Migration to storage should be Synchronized with existing storage data (NAS) till cutoff period	Data will be migrated after complete sync is done. Please confirm if same is being asked or something else is required	Data is migrated to New Storage and at a point the data is same on both old and new storage. The new storage will go live. The Approach to be shared by bidder

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Pre-Bid Replies

NIT NO: CMC/BR/24-25/RB/PR/MS/1192

S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
10	Technical Query	88	M102	Storage Hardware & software should have life & support for 10 Years from the date of installation & commissioning.	Most OEM's provide guarantee of 7 years support from the point of sale. For wider participation, Please ammend the clause as :- "Storage Hardware & software should have life & support for 7 Years from the date of installation & commissioning."	Storage Hardware & software should have life & support for 7 Years from the date of installation & commissioning.
11	Technical Qualification Criteria	3	3	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date. Documentation Required :- Satisfactory Performance Certificate from the Clients strictly in format as given in tender.	Since we have NDA sign with various project , request you to allow CA Certificate to showcase our project experinced.	As per NIT
12	Technical	81	M69	Shall have min dual controller/ server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup	Kindly amend the clause as - Shall have min dual CPU / Controller/ server system with automatic failover. There should be no single point of failure (including the node/	Please refer to S.No - 12
13	Technical	74	M34	The proposed Backup Solution must offer FETB (Frontend TB) & BETB (Backend TB after data reduction technologies like deduplication and	Kindly amend the clause as - The proposed Backup Solution must be offered as FETB (Frontend TB) capacity / BETB capacity	BRPL would need capacity based license and should be perpetual
14	Technical	74	M35	The Proposed Backup Solution must offer Agent Base backup for Database Oracle, SQL, MySQL, NoSQL, MongoDB, Hadoop, Various Virtualisation	Kindly amend the clause as - The Proposed Backup Solution must offer Agent Base backup for Database Oracle, SQL, MySQL,	BRPL would need capacity based license and should be perpetual
15	Technical	24	A (i)	Backup Server with Storage and SAN switch / Network switch(10G) whatever applicable with OS and all applicable software license including VM license if applicable at DC and DR with capacity to keep backup as per standard Backup policy and scalability to keep data for next 10 years(150TB Data current data and 10% increment of each year)	Please confirm the available network ports and type to connect the backup solution as uplink. For e.g. - Please confirm if 8 x 10G BASE-T (Copper) or 8 x 10G SFP+ (Optical) ports are available at both the sites.	Referred in S.No 5

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
				Pre-Bid Replies		
				NIT NO: CMC/BR/24-25/RB/PR/MS/1192		
16	Technical	84	M80	200TiB usable space configured with NL- SAS base disk with Raid 6 and scalable to at least 2PB raw capacity. Storage should deliver 20000 IOPS and 650MB/s Throughput Storage should have capability to provide atleast 65000 IOPS and 2.0 GB/s throughput by adding additional drives.	To Deliver 20,000 IOPS there should be a mix of NL-SAS and 10 %SSD. With only NL-Sas drives it's not possible to provide this much IOPS. Request you to please ammend the clause as :- 200TiB usable space configured with NL- SAS and 10 % SSD base disk with Raid 6 and scalable to at least 2PB raw capacity.	Amended to: Storage should deliver 5000 IOPS and 650MB/s Throughput Storage should have capability to provide atleast 65000 IOPS and 2.0 GB/s throughput by adding additional drives.
17	Technical	84	M84	Storage should be offered with minimum 16 cores of 2.00GHz .	Every OEM has its own optimized architecture to optimize & deliver IOPS. Asking for fix cores & CPU speed will restrict many OEM's to participate. Hence request you to please delete this clause or Please amend the clause as - Storage should be offered with minimum 12cores of 1.7GHz to support 128GB cache .	Please refer S.No 6
18		84	M88	Node should house SSD, SAS, NL-SAS or SATA disks	For Better performance & optimized use of storage , Tiering is a must so that Hot data can be moved from Capacity Tier to Performance Tier & Vice versa Request you to please ammend the clause as :- Storage should support SSD, SAS, NL-SAS or SATA disks. Storage should also support Tiering of data arocss all 3 tiers	Please refer S.No 7
19	Technical	84	M89	Minimum RAM configuration should be 128 GB per Node M85:The system should be offered with minimum 128GB Cache	it's a contradictory point with point no M85(pg-84) where the ask is for 128Gb cache per system,the solution supports 128GB System memory RAM across array and more with higher model Please confirm which one to be considered	No Change in M 89 and please refer Son. 61 for M85
20	Technical	87	M101	Data Migration to storage should be Synchronized with existing storage data (NAS) till cutoff period	Data will be migrated after complete sync is done. Please confirm if same is being asked or something else is required	Please refer S.No 9

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Pre-Bid Replies

NIT NO: CMC/BR/24-25/RB/PR/MS/1192

S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
21	Technical	88	M102	Storage Hardware & software should have life & support for 10 Years from the date of installation & commissioning.	Most OEM's provide guarantee of 7 years support from the point of sale. For wider participation, Please ammend the clause as :- "Storage Hardware & software should have life & support for 7 Years from the date of installation & commissioning."	Please Refer to S.No - 10
22	Technical	3	QUALIFICATION CRITERIA	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date.	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 1 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date.	Please refer to S.No 1
23	Technical	90	EVALUATION OF SOLUTION AND VENDOR COMPETENCY	The Proposed Backup software and Storage Must be present as Leaders in Gartner's Magic Quadrant for backup software report consistently from last 5 years	The Proposed Backup software and Storage Must be present as Leaders in Gartner's Magic Quadrant for backup software report consistently from last 3 years	The Proposed Backup software and Storage Must be present as Leaders in Gartner's Magic Quadrant for backup software report consistently from last 3 years
24	Technical	81	M69	Shall have min dual controller/ server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup	Kindly amend the clause as - Shall have min dual CPU / Controller/ server system with automatic failover. There should be no single point of failure (including the node/	Please refer to S.No - 12
25	Technical	74	M34	The proposed Backup Solution must offer FETB (Frontend TB) & BETB (Backend TB after data reduction technologies like deduplication and	Kindly amend the clause as - The proposed Backup Solution must be offered as FETB (Frontend TB) capacity / BETB capacity	BRPL would need capacity based license and should be perpetual
26	Technical	74	M35	The Proposed Backup Solution must offer Agent Base backup for Database Oracle, SQL, MySQL, NoSQL, MongoDB, Hadoop, Various Virtualisation	Kindly amend the clause as - The Proposed Backup Solution must offer Agent Base backup for Database Oracle, SQL, MySQL,	BRPL would need capacity based license and should be perpetual
27	Technical	24	A (i)	Backup Server with Storage and SAN switch / Network switch(10G) whatever applicable with OS and all applicable software license including VM license if applicable at DC and DR with capacity to keep backup as per standard Backup policy and scalability to keep data for next 10 years(150TB Data current data and 10% increment of each year)	Please confirm the available network ports and type to connect the backup solution as uplink. For e.g. - Please confirm if 8 x 10G BASE-T (Copper) or 8 x 10G SFP+ (Optical) ports are available at both the sites.	Referred in S.No 5

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
28	Technical	84	M84	Storage should be offered with minimum 16 cores of 2.00GHz .	Every OEM has its own optimized architecture to optimize & deliver IOPS. Asking for fix cores & CPU speed will restrict many OEM's to participate. Hence request you to please delete this clause or Please amend the clause as - Storage should be offered with minimum 12cores of 1.7GHz to support 128GB cache .	Please refer S.No 7
29		84	M88	Node should house SSD, SAS, NL-SAS or SATA disks	For Better performance & optimized use of storage , Tiering is a must so that Hot data can be moved from Capacity Tier to Performance Tier & Vice versa Request you to please ammend the clause as :- Storage should support SSD, SAS, NL-SAS or SATA disks. Storage should also support Tiering of data arocss all 3 tiers	Tiering would be good to have features and
30	Technical	84	M89	Minimum RAM configuration should be 128 GB per Node M85:The system should be offered with minimum 128GB Cache	it's a contradictory point with point no M85(pg-84) where the ask is for 128Gb cache per system,the solution supports 128GB System memory RAM across array and more with higher model Please confirm which one to be considered	Minimum RAM configuration should be 64 GB per Node
31	Technical	87	M101	Data Migration to storage should be Synchronized with existing storage data (NAS) till cutoff period	Data will be migrated after complete sync is done. Please confirm if same is being asked or something else is required	Please refer S.No 9
32	Technical	88	M102	Storage Hardware & software should have life & support for 10 Years from the date of installation & commissioning.	Most OEM's provide guarantee of 7 years support from the point of sale. For wider participation, Please ammend the clause as :- "Storage Hardware & software should have life & support for 7 Years from the date of installation & commissioning."	Please Refer to S.No - 10

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
33	Commercial	16	8.0 TERMS OF PAYMENT AND BILLING	Delivery of all the required hardware and Software (Completion BOM at Backup solution and NFS storage) : 50% of A + 50 % of B Sign of complete solution with all modules/functionalities and registration of support with OEM: 40% of A + 40% of B + 80% of C Sign of successful completion and handover of Standard Operating Procedures (SOPs) and provision of training for day-to-day operations.": 10 % of A + 10% of B + 20% of C	Delivery of all the required hardware and Software (Completion BOM at Backup solution and NFS storage) : ~~50~~ 80% of A + ~~50~~ 80 % of B Sign of complete solution with all modules/functionalities and registration of support with OEM: ~~40~~ 10% of A + ~~40~~ 10% of B + 80% of C Sign of successful completion and handover of Standard Operating Procedures (SOPs) and provision of training for day-to-day operations.": 10 % of A + 10% of B + 20% of C	As per NIT
34	Technical	84	M80	Storage should deliver 20000 IOPS and 650MB/s Throughput Storage should have capability to provide atleast 65000 IOPS and 2.0 GB/s throughput by adding additional drives.	To deliver 20000 IOPS on rotating drives, atleast 200+ drives would be required. Since BRPL is looking for NL SAS drives, the overall supplied capacity would be more than 10x of the rrequested capaacity.Hence would reuest to ither remove the performance requirement or change the drive from NL SAS to SAS with no more than 2.4TB disk size to deliver the IOPS performance.	Please refer to S.No 16
35	Technical	84	M83	Storage should support FC, ISCI, NFS and CIFS protocol	Request to amend this clause as " Storage should have capability to support FC, ISCI, NFS and CIFS protocols natively or by providign additional NAS solution"	No Change in requirement in M83
36	Technical	85	M90	Storage should able to support both block and file storage protocols	Request to amend this clause as " Storage should be able to support both block and file protocol natively or by providing additional NAS solution"	No Change in M90 point
37	Technical	88	M101	Data Migration to new storage should be Synchronized with existing storage data (NAS) till cutoff period	Request to kindly elaborate on this clause	Please refer to S No. 09
38	Technical	88	M102	Storage Hardware & software should have life & support for 10 Years from the date of installation & commissioning.	Kindly remove this clause for wider participation Justification : Keeping in mind the dynamic evolving technology space, it is advisable to have a reasonable life & support for the infrastructure with an ability to be expanded basis future year requirements. Hence 5 years is a decent enough time frame for the solution	Please Refer to S.No - 10
39	Technical	79	M55	The offered software must integrate with different hypervisors managers to backup different platforms including RHEV, VMware, Hyper-V, Oracle Virtual machine, KVM, ESXI, Nutanix, Citrix Xen	Request to kindly move this clause to backup Software as this is a software functionality	Backup Hardware/appliance, if proposed must integrate with different hypervisors managers to backup different platforms including RHEV, VMware, Hyper-V, Oracle Virtual machine, KVM, ESXI, Nutanix, Citrix Xen

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
40	Technical	80	M65	Proposed solution should be configured with appropriate 16/32Gbps FC - 10/40Gbps Ethernet/FC - 16Gbps SAS ports depending on RPO requirement mentioned earlier. It is the OEM ownership to add more ports, if required, to meet the requirement	Please amend this clause as " Proposed solution should be configured with "2* 16/32Gbps FC - 2* 10/25Gbps Ethernet ports depending on RPO requirement mentioned earlier" for wider participation. It is advisable that BRPL should get a engineered purpose built backup appliance instead of servers/storage for backup hardware	Amended to "Proposed solution should be configured with "2* 16/32Gbps FC - 2* 10/25Gbps Ethernet ports depending on RPO requirement mentioned earlier" for wider participation." Its is upto Bidder to recommend appliance based or software based backup
41	Technical	81	M68	Shall support modern data backup solution for LAN/SAN based D2D (disk to disk) backup. Optionally, for legacy solution vendors, knowing our complete environment mentioned in RFP, if solution require support of VTL (Virtual tape library) backup simultaneously via suitable protocols like NFS, CIFS, VTL, FC, OST , NDMP, etc, that should be configured	Request to kindly amend this clause as " Shall support modern data backup solution for LAN/SAN based D2D (disk to disk) backup. Optionally, for legacy solution vendors, knowing our complete environment mentioned in RFP, if solution require support of VTL (Virtual tape library) backup simultaneously via suitable protocols like NFS, CIFS, VTL, FC, OST/NDMP, etc, that should be configured " for wider participation	Amended to "Shall support modern data backup solution for LAN/SAN based D2D (disk to disk) backup. Optionally, for legacy solution vendors, knowing our complete environment mentioned in RFP, if solution require support of VTL (Virtual tape library) backup simultaneously via suitable protocols like NFS, CIFS, VTL, FC, NDMP, etc, that should be configured
42	Technical	81	M69	Shall have min dual controller/ server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution	Request to kindly amend this clause as " The backup solution shopuld not have any single point of failure for the following (redundant power supply, cooling fans, NIC cards and FC ports) . Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution	Please refer to S.No - 12
43	Technical	82	M70	It is preferred that the solution is scale-out without any limitations around number of nodes/ servers, capacity, number of files, number of snapshots etc.	Kindly remove this point as this is not applicable backup appliances .	This is for Storage requirement and not for backup solution
44	Technical	82	M74	The solution shall support non-disruptive addition or removal of controller/ servers/ nodes	Kindly remove this clause for wider participation	No Change

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
45	Pre-qualification	3	2.0 - Qualification Criteria	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date.	Respected Team BRPL, request you to kindly amend the clause as: The bidder should have implemented the ~~proposed~~/Any backup & replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/Private/Enterprise/Corporate/ Telecom in India during last ~~2 years~~/5 Years, as on bid submission date.	Please refer to S.No 1
46	Technical	84	M80	Storage should deliver 20000 IOPS and 650MB/s Throughput Storage should have capability to provide atleast 65000 IOPS and 2.0 GB/s throughput by adding additional drives.	To deliver 20000 IOPS on rotating drives, atleast 200+ drives would be required. Since BRPL is looking for NL SAS drives, the overall supplied capacity would be more than 10x of the rrequested capaacity.Hence would reuest to ither remove the performance requirement or change the drive from NL SAS to SAS with no more than 2.4TB disk size to deliver the IOPS performance.	Please refer to Sno. 16
47	Technical	84	M83	Storage should support FC, ISCI, NFS and CIFS protocol	Request to amend this clause as " Storage should have capability to support FC, ISCI, NFS and CIFS protocols natively or by providign additional NAS solution"	Pleaser refer to Sn. 35
48	Technical	85	M90	Storage should able to support both block and file storage protocols	Request to amend this clause as " Storage should be able to support both block and file protocol natively or by providing additional NAS solution"	No Change in M90 point
49	Technical	88	M101	Data Migration to new storage should be Synchronized with existing storage data (NAS) till cutoff period	Requuet to kindly elaborate on this clause	Pleasr refer to S No. 09
50	Technical	88	M102	Storage Hardware & software should have life & support for 10 Years from the date of installation & commissioning.	Kindly remove this clause for wider participation Justification : Keeping in mind the dynamic evolving technology space, it is advisable to have a reasonable life & support for the infrastructure with an ability to be expanded basis future year requirements. Hence 5 years is a decent enough time frame for the solution	Please Refer to S.No - 10
51	Technical	79	M55	The offered software must integrate with different hypervisors managers to backup different platforms including RHEV, VMware, Hyper-V, Oracle Virtual machine, KVM, ESXI, Nutanix, Citrix Xen	Request to kindly move this clause to backup Software as this is a software functionality	Please refer S.No 39

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
52	Technical	80	M65	Proposed solution should be configured with appropriate 16/32Gbps FC - 10/40Gbps Ethernet/FC - 16Gbps SAS ports depending on RPO requirement mentioned earlier. It is the OEM ownership to add more ports, if required, to meet the requirement	Please amend this clause as " Proposed solution should be configured with "2* 16/32Gbps FC - 2* 10/25Gbps Ethernet ports depending on RPO requirement mentioned earlier" for wider participation. It is advisable that BRPL should get a engineered purpose built backup appliance instead of servers/storage for backup hardware	Please refer to S.No 40
53	Technical	81	M68	Shall support modern data backup solution for LAN/SAN based D2D (disk to disk) backup. Optionally, for legacy solution vendors, knowing our complete environment mentioned in RFP, if solution require support of VTL (Virtual tape library) backup simultaneously via suitable protocols like NFS, CIFS, VTL, FC, OST , NDMP, etc, that should be configured	Request to kindly amend this clause as " Shall support modern data backup solution for LAN/SAN based D2D (disk to disk) backup. Optionally, for legacy solution vendors, knowing our complete environment mentioned in RFP, if solution require support of VTL (Virtual tape library) backup simultaneously via suitable protocols like NFS, CIFS, VTL, FC, OST/NDMP, etc, that should be configured " for wider participation	Please refer to S.No - 2
54	Technical	81	M69	Shall have min dual controller/ server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution	Request to kindly amend this clause as " The backup solution shopuld not have any single point of failure for the following (redundant power supply, cooling fans, NIC cards and FC ports) . Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution	Please refer to S.No - 12
55	Technical	82	M70	It is preferred that the solution is scale-out without any limitations around number of nodes/ servers, capacity, number of files, number of snapshots etc.	Kindly remove this point as this is not applicable backup appliances .	This is for Storage requirement and not for backup solution
56	Technical	82	M74	The solution shall support non-disruptive addition or removal of controller/ servers/ nodes	Kindly remove this clause for wider participation	No Change
57	Commercial	3	3	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date.	Requested to kindly change it to: The bidder should have implemented the ~~proposed~~ backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom/ Listed Companies in India during last ~~2~~ 7 years, as on bid submission date.	Please refer to S.No 1
58	Technical	79	M53	Proposed solution should support full indexing and text search.	Searching for file names or content inside?	File name search should be there

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
59	Technical	81	M69	Shall have min dual controller/ server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution	This is hardware level, OS level or application level? Active- Active, Or active passive?	This is hardware level and would required in Active-Active mode
60	Technical	84	M84	Storage should be offered with minimum 16 cores of 2.00GHz .	In Case of Purpose build appliance storage can this vary based on the recommendation by the OEM?	This is for storage requirement and not for Backup and refer to S.No 6
61	Technical	84	M85	The system should be offered with minimum 128GB Cache	In Case of Purpose build appliance storage can this vary based on the recommendation by the OEM?	Anmended The system should be offered with minimum 256GB Cache This is for storage requirement and not for Backup
62	Technical	84	M86	The proposed storage system should be supplied with minimum 4x12Gb SAS backend ports and 8x 10GbE SFP+ ports across controllers.	In Case of Purpose build appliance storage can this vary based on the recommendation by the OEM?	This is for storage requirement and not for Backup
63	Technical	84	M89	Minimum RAM configuration should be 128 GB per Node	In Case of Purpose build appliance storage can this vary based on the recommendation by the OEM?	This is for storage requirement and not for Backup
64	Technical	88	M106	Data Migration to new storage is the part of the Scope –	Please specify the type of the data. From which backup software has the backup being taken for the data? Is Migration needed with Timestamp?	Data has to be migrated from current NAS- .having flat files.. Bidder can provide their approach in the migration . If the timestamp can be provided, will help us in future
65	Technical		M49 F,F,H,I,J,K,L	f) ShouldadheretoIndia IT Act 2000 or better g) Ability to perform searches by individual files/folder on archived files in the event of a legal requirement h) DPDPA compliant i) HIPPA compliant j) FIPS compliant k) Write Once Read Many SEC 17a-4(f) Certification l) PCI DSS	Need to clarify if these are compulsroy points because a lot of these are mere guidelines and not a feature of the backup software.	Please let us know what are Bidders are compliant .If not please mention why ?
66	Technical	19	20.0 LIQUIDATED DAMAGES	20.01 If supply of items / equipment is delayed beyond the supply schedule as stipulated in LOI/PO, then the Supplier shall be liable to pay the Purchaser for delay as mentioned below:	Kindly confirm the LD details for delay in delivery of BOM.	Check with Mohit

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
67	Technical	27	9. COMMISSIONING & ACCEPTANCE TEST:	After completion of the work, the Contractor shall conduct trial run/ operation in the presence of Engineer In charge. During such trial run the system shall be operated under the supervision of the Contractor. If any rectification/modification required during this period the Contractor shall do all necessary measures. On satisfactory completion of above, the system shall be deemed to have energized and placed in commercial operation. The Engineer In Charge will issue an acceptance certificate.	Kindly confirm the Timeline for acceptance test.	The trail run check list will be provided by successful bidder and will be agreed mutually
68	Technical	55	3. ACCEPTANCE TO BRPL INFORMATION SECURITY POLICY	v. All users/vendors/consultants must return or ensure secure destruction of BRPL information, storage media, documentation, and computer/networking equipment in a permissible manner, before they leave a particular assignment, either on transfer or on the end of the contract or resignation.	Any spare retention policy applicable?	By the end of the contract or end of assignment as mentioned in the RFP document
69	Technical	64	TECHNICAL SPECIFICATIONS	· The proposed solution should have life of 10 years at least from the date of delivery.	Confirmation from OEM required	The proposed solution should have life of Seven (07) years at least from the date of delivery delivery
70	Technical	64	TECHNICAL SPECIFICATIONS	· The selected Bidder to upgrade the patches regularly without downtime in backup till end of life.	Confirmation from OEM required	If there is a requirement of downtime, this has to be carried out in non-peak time for BRPL
71	Technical	64	TECHNICAL SPECIFICATIONS	Present Setup BRPL has centralized setup with Data Center (DC) at NHP . All the other offices are on the WAN through MPLS network. All applications, Internet, Intranet etc., are hosted at Data Centre, NHP and are accessed by all offices/locations over WAN. The DC and Offsite backup sites are interconnected with MPLS network.	Kindly share the Current bandwidth details.	Bidder to recommend the bandwidth required for the synchronization of backup data as per the RTO requirement - 4 hours. Please consider the bandwidth as 5 Mbps
72	Technical	64	TECHNICAL SPECIFICATIONS	The services include In house applications, DB, File servers etc.	Kindly share the details of current In house applications, DB, File servers etc.	The details are in page 66
73	Technical	65	Scope of Work	· Backup on primary site and synchronized copy on secondary location with RPO --- 4 hours	Kindly share the current RPO details	Please refer Page no. 65. The required RPO is 4 hours
74	Technical	65	Scope of Work	· Provide administrator training for BRPL IT staff during regular business hours. The IT staff should be able to manage daily processes and file restores functionality on their own.	Kindly share the details of training required; duration, bidder or OEM, certification, number of participants etc.	Bidder to provide what is training required based on the product and solution provided . Approx 3 participants will required training

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Pre-Bid Replies

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
75	Technical	65	Scope of Work	· Configure, schedule, and provide encrypted backup management of all the data including, but not limited to: files, folders, images, system state, databases, and enterprise applications. (include immunity from Ramsom ware)	Any Ransome ware protection is available now?	Not available
76	Technical	87	General System Specification	M100. Data Migration to new storage is the part of the Scope	Kindly share the details of data to be migrated.	NAS Data to be migrate to new storage
77	Technical			General	Any on-site dedicated resources to be deployed?	On-site resource will be required during the implementation period
78	Technical			General	Timeline for installation & commissioning and final acceptance?	We are expectecting this project to be completed with in 3 Months of delivery of hardware and software
79	Qualification Criterion	3	2. Point no 3	Technical Qualification Criteria/Pre-Qualification Criteria	Please change it as during last 5 years, as on bid submission date	Please refer to S.No 1
80	Commercial	24	28.1, Section IV Price Format - Sr no A point no I	Cost of Hardware* at DC & DR	There is no mention of CPU, RAM needed for backup server. Please help share same so that everyone have to offer same. Also 150TB with year on year growth of 10% turns out to be approx 350TB, please confirm if our understanding is correct or additional capacity needed?	Your understanding is correct
	Commercial	24	Section IV Price Format - Sr no A point no I	Cost of Hardware* at DC & DR	As required capacity (approx 350TB as per above) can be offered inside backup server only, no need for SAN switch would be required. We can offer backup server with 10G NIC, please advise you have exiting 10G network, if yes, please advice do we need to offer copper or fiber 10G ports?	SAN Switch is required as there is no port is available in current setup. Please Refer No. 5 for details
82	Commercial	24	Section IV Price Format - Sr no A point no ii	Cost of Hardware* at DC & DR	Storage with dual controller & Disk with capacity 200 TB usable, please advise RAID and disk type needed, e.g. SATA, SAS, SSD etc, RAID5 or RAID6 etc. Also mention type and no of host ports needed for this file storage, e.g. 10G copper or fiber and how many ports per controller	RAID 6 is required. In Storage minimum 4 fiber port per controller required to be connected to SAN Switch
83	Commercial	24	Section IV Price Format - Sr no B point no I	Cost of Software*	Backup software, please advise total data for which capacity based license for backup software is needed, e.g. 350TB etc	Please refer point 80 . Please recommend license based on total capacity and retention period

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
84	Technical Qualification Criteria	3	2. Qualification Criteria; Serial No. 3	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date.	Please remove this clause OR request you that you may ask - bidder can give a solution meeting the technical requirements and the proposed solution should have two references from the OEM side. OR - We like to further elaborate that we have one backup reference for 750TB solution where the order is for the year 2018. So, request you to please make the following changes - 1. Please accept reference orders from the year 2018. 2. RFP asks for 2 references for 150 TB each. Which means a total of 300 TB reference. Please allow us to submit a single reference of above 300 TB through a single order. The above requested changes will help us to qualify and participate in the RFP.	Please refer to S.No 1
85	Technical	3	Technical Qualification Criteria, Clause No-3	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date.	The bidder should have implemented the backup solution for at least 100 Instance licenses / 100 TB capacity license, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings / Commercial Bank/ Telecom in India during last 7 years, as on bid submission date.	Please refer to S.No 1
86	Technical	79	M51	The Utilization should not exceed 80% at any instance during the contract period - so sizing to be done for the current defined workload basis the max 80% utilization consideration	Please clarify if you want us to provision 20% additional capacity on top of 5 year sizing requirement shared by you to meet this compliance.	Change to - The Utilization should not exceed 90% at any instance during the contract period - so sizing to be done for the current defined workload basis the max 80% utilization consideration. Please add 10% capacity in you solution
87	Technical	79	M52	Solution should support defining of bandwidth/QOS. BRPL with the bidder will jointly define/ determine the same for different host based on the various factors attributable for performance	Please remove this point as this point is related to Production storage. In Backup Infrastructure everything is managed by Backup software hence QoS will not have use in the Backup storage.	This point is valid if bidder is proposing appliance in their solution
88	Technical	81	M69	Shall have min dual controller/ server system with automatic failover. There should be no single point of failure (including the node/ server) for complete solution. Backup /restoration activity should not be disturbed anyway dues to any hardware issues in proposed solution	Request you to please mention Dual Controllers with minimum 64GB Cache so that all the vendors should quote a model with minimum 64GB Cache. Specifying the minimum cache requirement will make sure every vendor quotes the similar model without compromising with the proposed storage specification.	Please refer to S.No - 12

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colspan7	**TENDER FOR SETTING UP OF DATA CENTER FOR DISASTER RECOVERY, BACKUP SOFTWARE, HARDWARE AND SUPPORT IN BRPL**
			Pre-Bid Replies			
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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
89	Technical	84	M89	Minimum RAM configuration should be 128 GB per Node	I think this is a typo as you have already specified 128GB cache per system in point no. M85 hence we request you to please make it 64GB per Node/Controller.	No change and please refer to S.No 61 for the change in configuration
90	Technical	85	M95	Firmware Security -Storage must ensure robust firmware security measures, including but not limited to code signing, encryption, secure boot, access control, vulnerability management, monitoring/logging, adherence to secure development practices, physical security, firmware recovery mechanism, and third-party security assessment	Please clarify the meaning of physical security and third party security assessment.	Physical Security is does not required Third party Security assessment - Storage should be able to do third party assessment
91	Technical	88	M105	Should Support Trend Micro for Storage, to protect from Virus. Also provide which other Antivirus are supported for NFS and CIFS	Request you to please ask features like Malicious File blocking, Immutable Snapshots,Data at Rest Encryption, Multiple admins verification for Snapshot deletion to protect your data from Ransomware attacks and Snapshot deletion.	Please provide information regarding M105 compliance
92	Technical	88	M104	Seamless Data Migration from existing NAS storages to new storage by the OEM	Request you to please ask feature like File Anlaytics which can help you to detect ageing and inactive data unnecssary stored on the storage so that you can take proactive actions and remove that data from the primary storage for resource optimization.	Bidder can provide this function if required
93	Technical	88	M102	Storage Hardware & software should have life & support for 10 Years from the date of installation & commissioning.	As a standard practise every OEM supports hardware for approx. 7 years hence request you to make ask for 7 years support instead of 10 years support.	Please Refer to S.No - 10
94	Technical	83	Other Features in Backup	*To be added	The backup software must have YARA rules defined in the system.	Not part of RFP and bidder can provided this function if required
95	Technical	83	Other Features in Backup	*To be incorporated	The proposed soloution should have on demand scans available for malaware attacks.	Not part of RFP and bidder can provided this function if required
96	Technical	83	Other Features in Backup	*To be incorporated	The backup Software must have inline detection & in guest detection via guest indexing againgst any malware attacks.	Not part of RFP and bidder can provided this function if required
97	Technical	83	Other Features in Backup	*To be incorporated	The proposed backup software should have four eyes apporval for any backup deletion.	The proposed backup software/appliance should have apporval process for any backup deletion.

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
98	Technical	83	Other Features in Backup	*To be incorporated	Backup software must have a feature of data validation, whereby a workload (VM with OS and application) is powered-on in a sandbox environment and tested for its recoverability.	Backup software must have a feature of data validation, whereby a workload (VM with OS and application) is powered-on in a sandbox environment and tested for its recoverability.
99	Technical	83	Other Features in Backup	*To be incorporated	Recovery verification should automatically boot the server from backup and verify the recoverability of VM image, Guest OS and Application Consistency and then publish automated reports to be used in backup / recovery audits.	Not part of RFP and bidder can provided this function if required
100	BACKUP AND DISASTER RECOVERY SPECIFICATIONS	66	System Design and Desired Features	Current DB Size is 30TB (Mix of Oracle, MS SQL, Mysql)	Clarifications: Kindly provide Number of Oracle DB instance and Oracle version. Whehter any DB upgrade required during data migrations .Splitup of Oracle,MS SQL,Mysql DB numbers.	Oracle 12c and 19C in the estate. No upgrade required during the migration.
101	BACKUP AND DISASTER RECOVERY SPECIFICATIONS	66	System Design and Desired Features	File Storage data is 110 TB with 10% increment every year	Kindly provide existing SAN model ,size and backup software details to check feasability of data SAN migrations.	Ther is no SAN migration, only file storage migration
102	BACKUP AND DISASTER RECOVERY SPECIFICATIONS	79	BACKUP Hardware	The offered software must integrate with different hypervisors managers to backup different platforms including RHEV, VMware, Hyper-V, Oracle Virtual machine, KVM, ESXI, Nutanix, Citrix Xen	Whether all virtualization in the existing environment or only Vmware VM's and physical servers are exist in the current environment .	In exisiting environment , VM. Oracle and HyperView as virtulisation solution are there. Need to provision for the future requirement
103	Total cost of Software (B)	89	End-to-End Implementation Cost for the solution at both DC & DR	The prices quoted are inclusive of training of BRPL officials.	Kindly confirm Training duration and number of staffs parcipate in the Training .Training Location DC or DR ?	The training will be at Nehru place office and 3 to 4 participant would be there. The training duration will be provided by bidder and will be mutually agreed
104	BACKUP AND DISASTER RECOVERY SPECIFICATIONS	73	BACKUP Hardware	Ability to restore a physical server to a replacement physical server or convert to Hyper-V VM	Kindly provide number of physical and virtual servers .Any Oracle data cluster or OS cluster are existing in the current environment .	Physical servers - 24 and VM's 75 Yes we have Oracle cluster with RAC and Data guard
105	BACKUP AND DISASTER RECOVERY SPECIFICATIONS	88	Storage Requirement	Seamless Data Migration from existing NAS storages to new storage by the OEM	The exisiting NAS and Block level storage are defferent storage or single storage ? . The existing NAS mapped only Linux,Windows,Solaris or any other OS ? .	Migration of data is from NAS storage only

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S. No.	Query Type Technical / Commercial	Page No.	Clause No.	BRPL Clause	Bidder Query	BRPL Replies / Corrigendum - I
106	General System Specifications	69	M6.10	Backing up/archiving to any storage tier of public cloud	Clarifications : New backup solution need to backup/archive datas to any public cloud environment or It should compatible to any public cloud environment?	Should be compatible to any public cloud environment
107	Technical Qualification Criteria	3	Section-I, 2.3	The bidder should have implemented the proposed backup &replication solution for at least 100 TB data, which should be running successfully, in at least 2 Govt. organizations/ Financial Institution/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 2 years, as on bid submission date.	The bidder should have implemented or supply, installation and commissioning and O&M of Contact Centre/Command Centre/ Security Surveillance/Cyber Security/IT/ITES/ICT/Networking including Sever, Firewall, Rack, Network Switch which should be running successfully, in at least Govt. organizations/ Banking & Financial Services Institution (BFSI)/ Public Sector Undertakings/ Commercial Bank/ Telecom in India during last 5 years, as on bid submission date.	As Per S.No 1
108	Technical Qualification Criteria	3	Section-I, 2.6	The proposed backup and replication software OEM should be listed in leader quadrant of Gartner"s magic quadrant during last 2 years.	Oem's Specified point. Only Selected OeM's fill these criteria. Because of this tender will be very limited. Therefore, please remove this clause.	As Per S.No 23
109	Technical Qualification Criteria	4	Section-I, 2.7	The proposed backup appliance/storage and server OEM should be listed in leader quadrant of Gartner"s magic quadrant during last 2 years.	Oem's Specified point. Only Selected OeM's fill these criteria. Because of this tender will be very limited. Therefore, please remove this clause.	As per NIT
110	Financial Qualification Criteria	4	Section-I, 2	The bidder must provide proof of having solvency of an amount equal to Rs.3.50 Crore (Rs. Three Crores and Fifty Lacs) from any nationalized/ scheduled commercial bank.	Nerworth certificate is also a legal document furnishing the details regarding the financial stability and solvency of an organisation or individual. This certification is usually required while dealing with government and commercial offices as they need to verify the financial stature of that respective entity. thats why we requesting Kindly Consider Net worth Certificate also.	As per NIT

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