



**Central Pollution Control Board
IT Division**

Date- 08th Oct, 2024

Subject: Cancellation of Bid No. GEM/2024/B/5146757 and New Bid Announcement.

Dear Bidders,

Please be informed that Bid No. GEM/2024/B/5146757, published on 19.07.2024, has been cancelled. For your reference, the Minutes of the Pre-Bid Meeting related to this bid are enclosed.

A fresh bid has been uploaded on GeM with Bid No. GEM/2024/B/5340601, dated 30.09.2024. We encourage all bidders to review the Pre-Bid Minutes before participating in the new bid.

Thank you for your understanding.


Divisional Head, IT Division

Central Pollution Control Board

IT Division

20.08.2024

Subject: Minutes of Pre Bid held on 29.07.2024 regarding procurement of Virtual Machines.

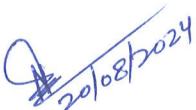
The pre-bid meeting regarding procurement of Virtual Machines was held on 29.07.2024 at 11 am at Training Hall, Ground floor, CPCB. The meeting was chaired by Sh. Archit Uprit, Sc 'E' (IT) and attended by members of Technical Evaluation Committee Smt. Meena Sharma AO(M), Sh. Vijay Bansal AAO (F&A) & Sh. Naman Srivastava DPA(IT).

Following queries has been received in the Pre-Bid discussion:

SNo.	Query	Reply from CPCB
1	Please allow only 01 Data Centre in India in the bid document	There may 01 data center in India as DR site is not required currently.
2	Details of running application is required	No need to share
3	If DR services not required, then please remove all clause related to DR site from the bid document	DR site not required, primary backup of VM should be created and provided to CPCB on weekly basis.
4	Detailed information of required service should be mentioned in the RFP for quoting the price	Please refer Compliance Sheet of Required Services attached at below.
5	The bidder/Cloud Service Provider (CSP) should be empanelled with MeitY for providing Government Community Cloud (GCC)/Virtual Private Cloud (VPC) Infrastructure. If the bidder is not a CSP, it should be an authorized partner of a CSP empanelled with MeitY for providing Government Community Cloud (GCC)/Virtual Private Cloud (VPC) .	Only MiETY empaneled CSPs in GCC infrastructure service are allowed to participate in the bid as CPCB is a Government Organization.
6	SDD offer better performance and nowadays Cloud offer SDD as default for all the workloads, we would request customer to explicitly mention 'Storage - 500 GB SSD with minimum iops otherwise it will not be appropriate performance. We request to consider atleast 3000 IOPS and 125 Mbps throughput'	As per standard configuration of cloud service
7	Request to include the below provisions: CSP should have accreditations relevant to security, availability, confidentiality, processing integrity, and/or privacy Trust Services principles. SOC 1, SOC 2, SOC 3 Documentary Evidence - Self-declaration from the Authorized signatory of the CSP on their letterhead	Not required
8	Please confirm where current setup is hosted, Kindly confirm detailed application and database landscape & flow of the existing system, Kindly confirm how many VM's needs to be migrated, kindly share the migration timeline for bidder, so that we can decide the proper migration approach for the same. Please confirm the total size of data to be migrated.	The migration will be planned by CPCB and processed by the deployed System Administrator by the selected bidder. There is no need to share the details of existing infrastructure.
9	Please confirm the frequency of VAPT audit to be performed periodically.	As per MEITY Guidelines
10	Please confirm how users will access this setup?(MPLS/VPN/Internet), if MPLS, how many links will be terminate at ESDS Site? If internet what would be the required Bandwidth? (E.g 10 Mbps or 1 TB) If VPN, kindly confirm is it Site to Site VPN or SSL VPN?	Through VPN (25 VPNs) Site to Site/ Client to Site
11	Kindly confirm Required Backup Space in GB/TB?	As per storage size given in BOQ
12	Training mode will be online. Please acknowledge the same.	Offline/Online Mode
13	Please confirm the number of IAM (Identity and Access Management) users that will be accessing the setup	Atleast 5
14	Is department seeking a SIEM security service for this requirement? Please provide detailed information on your specific needs so that bidders can propose an appropriate solution.	Logs of every transaction in virtual machines should be generated

15	The RFP mentions two different bandwidths in separate sections: 100 Mbps and 500 Mbps. Please confirm the bandwidth required.	200 Mbps
16	The WAF service has not been included in the table titled "Following services should be included with each Virtual Machine as per MietY document." We request that this service be added to the table. OR Alternatively, please confirm if we need to include the WAF in the proposed solution.	Please refer Compliance Sheet of Required Services attached at below.
17	Please confirm the Database Software version and edition. Additionally, please confirm if we need to consider the database license and management for each of the 49 VMs mentioned in the RFP. Clarification on this matter is important as it will affect the costing accordingly.	All databases are open source like mysql, postgres SQL. Therefore, no need of licensing.
18	Total Concurrent users at any point of time in order to size the firewall throughput?	80-100 users (per VM)
19	Kindly specify the total no. of locations expected to be connected to DC Site?	1
20	kindly confirm do we need to provide SSL Certificate? If yes, kindly confirm SSL Certificate (Alpha, Domain, Organization, Wildcard, extended SSL). Also confirm the no of main domain and subdomain.	Not required
21	Kindly confirm no of public IP's Required at DC and DR site	Public IP and Private IP for each VM in DC site
22	Financial Statements FY 23-24 is in audit process and yet to be finalized. We request you to accept Provisional Financial Statements for FY 23-24.	Provisional Financial Statement for FY 23-24 on company letter head can be submitted by the bidders at the time of bid submission. However, CA audited financial statement as asked in bid document will be required at the time of Technical Evaluation and it has to be positively submitted as shortfall document as and when asked through GeM portal.
23	We bring to your notice that, SOC 3 certifications supersede to SOC 2 Type 2. So, we request you to accept SOC 2 Type 2 OR SOC 3 and amend this clause as follow; "The Bidder should have any 04 certificates from below certifications I compliance document:	Modified as below: "The Bidder should have any 04 certificates from below certifications I compliance document: 1. ISO 27001, 2. ISO 20000, 3. ISO 27017, 4. ISO 27018, 5. SOC 2 Type 2 6. SOC 3 Type
24	Certification of Proposed Data Center DC/DR Tier III/Rated 3 - 10 Marks DC Tier IV - 15 Marks Can this clause can be amend as following as only 03 data centre have Tier 4 certification; Certification of proposed Data Center DC/DR Tier II/Rated 2 - 10 Marks DC Tier III - 15 Marks."	Modified as below: Certification of proposed Data Center DC Tier II/Rated 2 - 10 Marks DC Tier III - 15 Marks."
25	No of cloud hosting projects delivered by bidder for any central/state govt./PSU or government body We kindly request you to add Public listed company.	Modified as below: Nos of cloud hosting projects delivered by bidder for any central/state govt./PSU/ government body/Banks etc. may be accepted. These criteria may also be accepted in Experience criteria. However, requirement of supporting documents as mentioned in the bid documents are to be mandatorily provided by the bidder.
26	Request you to allow us to quote separately for man power	Bidder's have to provide price breakup of each cost component in the excel sheet provided in the bid document. However, bidder's will be required to include additional cost component in the cost of VMs and total cost will be used for determination of L-1.

27	Requested to update 99.5 % instead of 99.9% uptime	Please read 99.5% instead of 99.9%
28	As per the Office Memorandum issued by Government of India, Ministry of Finance, Department of Expenditure, Procurement Policy Division vide OM No. F.1/1/2022-PPD dated 02.02.2022 regarding Amendment in General Financial Rules, 2017 - Rule 170 (i) & Rule 171 (i) – Bid Security and Performance Security respectively (https://doe.gov.in/files/circulars_document/Amendment_to_General_Financial_Rules_2017_0.pdf) - The Bid Security and Performance Security may be accepted/furnished in the form of Insurance Surety Bonds. Hence, we request you to accept the Bid Security and Performance Security in the form of Insurance Surety Bonds as well.	EMD and PBG in the form of Insurance Surety Bonds may be accepted as permitted by Ministry of Finance in the mentioned OM.cd
29	1. Please confirm the no. of Switch, Firewall and Load Balancer required. 2. Please confirm the Switch, Firewall and Load Balancer throughput required.	As per MiETY empaneled SLA for each VM
30	1. Please confirm the Firewall throughput 2. What is the DDoS Protection throughput required in Mbps or Gbps? 3. Also, please define the type of authentication or authorization required for the setup?	(1) 200 Mbps (2) 200 Mbps (3) VPN setup as mentioned above
31	1. No. of Load Balancer required and how much throughput required. 2. How many applications will be kept behind the LB.	Load balancer not required, however firm should be capable to provide service as and when required
32	What do you expect CSP to do for Domain URL Mapping	It will done by CPCB itself
33	Request to cap penalties to 5% of the TCV	As per GeM clause
34	Request to release payment within 30 days of invoice	As per GeM contract, also it was discussed in the pre-bid meeting that payment to the vendor's will be made on "Pay as you use" basis in the quarterly billing cycle such as number of VMs and SAN storage used during the billing cycle.
35	Deployed engineer will be on site or offsite	Onsite administrator with the skill asked as per point 4a is required to be positioned at CPCB HO, Delhi. The on-site engineer will coordinate, execute and deliver the task assigned by CPCB for cloud infra with the help of CSP support team. The overall roles and responsibilities from 4b to 4o should be jointly delivered between the on-site resource and CSP's remote deliver centre.



(Naman Srivastava)



(Vijay Bansal)



(Meena Sharma)



(Archit Uprit)

This compliance sheet for each VM should be filled by the bidder:

S.No	Attributes	Services(including MiETY SLA)	Compliance (Yes/No)
1	Network	<ul style="list-style-type: none"> i. Subnet/network segment capability should be available ii. VM should be firewall protected iii. Mapping of Private IPs to Public IPs for inbound/outbound traffic iv. Dedicated Firewall with HA mode 	
2	Security	<ul style="list-style-type: none"> i. Antivirus ii. Identity and Access Management including Single-Sign-On for managing access to Cloud services of the CSP iii. Encryption of data associated with VM iv. System log should be available v. Multi-factor authentication vi. Hardening & patch management of underlying infrastructure by CSP 	
3	Backup	<ul style="list-style-type: none"> i. Entire VM data backup must be available ii. Backup must be taken at least every week iii. Backup of VM must be retained for at least 30 days. 	
4	Auto scaling	<ul style="list-style-type: none"> i. Ability to auto scale at least horizontally without bringing the virtual machine down 	
5	Service Level Agreement	Virtual Machine Uptime SLA of at least 99.5%	
6	Scheduling	Scheduling features such as auto start, auto shut-down, etc., without requiring manual intervention	
7	Turnaround Time	Resource (vCPU, storage, etc.) scaling up and down should be completed within 30 minutes. Alert may be provided.	
8	Virtual Machine Administration	<ul style="list-style-type: none"> (1) Basic monitoring tool and dashboard including admin Access (2) Only licensed tool should be used for VM creation/Management 	

BOQ

S.No.	Required Specification as per number of users	Unit of Measurement (UOM)	Qty.	Unit Price	Total Amount for 03 years (Including taxes)
1	vCPU-16 RAM-32GB Storage-500GB OS-RedHat Physical Core to vCPU Ratio – 1:2 Type of Server – Application/Database Usage Type – Primary Server Storage Media –SSD CPU launch year- 2020 System Software/DB - MySQL/Postgress SQL/other supported software as per requirement	Per VM	49		
2	SAN Storage	TB(unlimited read and write operations)	5		
3	Bandwidth (in mbps)	Mbps(Unlimited Data Transfer)	200		
4	Public IP	Per IP	49		
5	VPN(Users) with 2 S2S tunnel	Per VPN(C2S) and 2 S2S tunnel	25		
6	Load Balancer (HA)	Mbps(with unlimited rules)	200		
7	WAF (HA)	Mbps(with unlimited rules)	200		
8	DDOS	Per Mbps(unlimited times mitigation)	200		
9	On-site System Administrator	Manpower	01		
				Total Amount	