

**Government of the People's Republic of Bangladesh**  
**Bangladesh Bureau of Statistics (BBS)**  
**Population and Housing Census 2021 Project**  
**Parishankhyan Bhaban**  
**E-27/A Agargaon, Dhaka-1207**  
[www.bbs.gov.bd](http://www.bbs.gov.bd)

No: 52.01.0000.409.07.314.22.4762

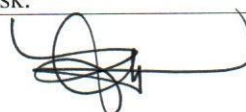
Date: 18.04.2022

**Request for Expressions of Interest (REOI) for Consultancy Services (National)**

1.	Ministry/Division	Ministry of Planning, Statistics and Informatics Division
2.	Agency	Bangladesh Bureau of Statistics (BBS)
3.	Procuring Entity Name	Project Director, Population and Housing Census 2021 Project
4.	Procuring Entity District	Dhaka, Bangladesh.
5.	Expression of Interest for short listing of	Consulting firm for "Applications & Infrastructure Setup, Upgradation, Maintenance and Monitoring of Cloud Computing Platform of Bangladesh Data Center Company Limited for Population & Housing Census 2021."
6.	EOI Ref. No.	52.01.0000.409.07.314.22.4762
7.	Date	18.04.2022
<b>KEY INFORMATION</b>		
8.	Procurement Method	Quality and Cost Based Selection (QCBS)
<b>FUNDING INFORMATION</b>		
9.	Budget and Source of Funds	Development (GoB)
10.	Development partner	Not Applicable
<b>PARTICULAR INFORMATION</b>		
11.	Project /Program Name	Population and Housing Census 2021 Project
12.	EOI Closing Date, Time and EOI Submission Place	Date: 05.05.2022; Time: 12:00 PM Place: Project Office, Population and Housing Census 2021 Project, Bangladesh Bureau of Statistics (BBS), Agargaon, Dhaka.
13.	Brief Description of the Assignment	<p><b>Scope of Services</b></p> <ol style="list-style-type: none"> <li>1. Monitoring of the Infrastructure</li> <li>2. Monitoring of the Applications</li> <li>3. Maintenance &amp; Upgradation of Applications &amp; Infrastructures</li> <li>4. Review, Monitor &amp; Ensure Cyber Security of MDM system.</li> <li>5. Ensure Cyber Security of the total ecosystem</li> <li>6. 24x7 Support service related to all services mentioned above.</li> <li>7. Providing Technical Support for Data Processing of Population and Housing Census 2021 Project.</li> </ol> <p><b>Brief Description of Services</b></p> <ol style="list-style-type: none"> <li>1. There will be multiple Setups for Digital Population and Housing Census 2022 Applications: Staging and Production etc.</li> <li>2. Oracle Exadata Enterprise Server has already been deployed for the Digital Population &amp; Housing Census 2022 applications which need to be under maintenance. Maintenance work for the database cluster environment are followings- <ol style="list-style-type: none"> <li>a. Tuning resources and optimization.</li> <li>b. Ensure proper backup/restore/recovery.</li> <li>c. All the database related activity needs to be executed with proper testing as per request from the application developers, as some of the DDL queries may require unexpected time duration in production. eg. ALTER queries in some cases, may require several hours/days.</li> </ol> </li> </ol>

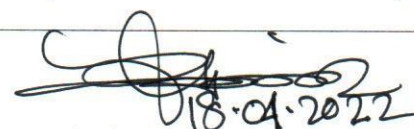


		<ol style="list-style-type: none"> <li>3. The setups will have the following infrastructure: <ol style="list-style-type: none"> <li>a. Web Load Balancer(s)</li> <li>b. Database Proxies &amp; Load Balancer(s)</li> <li>c. Web Application Servers <ol style="list-style-type: none"> <li>i. Admin Web Portal(s)</li> <li>ii. Monitoring Web Portal(s)</li> <li>iii. API Servers</li> </ol> </li> </ol> </li> <li>4. Maintain DNS (Internal name resolution)</li> <li>5. Develop Status Monitoring &amp; Alert Engine.</li> <li>6. Improve Time Series Database &amp; Graph Dashboard.</li> <li>7. Improve Log Server &amp; Log Dashboard with Search facility.</li> <li>8. Configure Shared Storage for regular backup &amp; web front servers.</li> <li>9. Configure backup environment in BBS incase of BDCCL failover.</li> <li>10. Configure VPN server(s) for access control of the infrastructure setups (staging, production etc.).</li> <li>11. Apart from infrastructure deployment, continuous maintenance &amp; upgradation of applications of the total ecosystem.</li> <li>12. Daily reporting to concerned authority.</li> <li>13. Application related activities such as, <ol style="list-style-type: none"> <li>a. Log analyzing.</li> <li>b. Database Query deadlock check (if requested).</li> <li>c. Database Query Analysis.</li> <li>d. Execute Database queries for Application Development related help.</li> </ol> </li> <li>14. Troubleshoot any issue happening in production, as mentioned in the service level agreement.</li> <li>15. Apart from the setups (production, staging etc.), an issue tracker server needs to be configured for managing issues happening on the production cluster.</li> <li>16. Configure a mail gateway to relay mail from internal monitoring tools.</li> <li>17. 24/7 L1 &amp; L2 support will be present to help running the infrastructure.</li> <li>18. Planning, testing &amp; deployment of database mechanisms to serve data efficiently when the data size grows.</li> <li>19. Providing Technical Support for Data Processing of Population and Housing Census 2021 Project.</li> </ol>
14.	Experiences, Resources and Delivery Capacity Required	<p><b>a) The Consulting firm shall have the following Experiences:</b></p> <ul style="list-style-type: none"> <li>● Handling more than 100 millions of peoples data.</li> <li>● Handling mass hitted applications nationwide.</li> <li>● Handling private cloud platforms, as well as public cloud.</li> <li>● Ensuring security hardening in cloud computing platforms for application and infrastructure level.</li> <li>● Software development of real time application maintaining high TPS.</li> <li>● The company must have more than 3 (three) years of registration age as well as own Public cloud platform.</li> </ul> <p><b>b) The firms shall submit the followings along with EOI:</b></p> <ol style="list-style-type: none"> <li>i. Application for EOI i.e. the introductory letter on letter head (with complete contract details-name of contract person, mailing address, telephone, fax, e-mail address etc.) explaining how the firm is best deliver the task.</li> </ol>





		<p>ii. The registration paper of the firm.</p> <p>iii. Brochure, Company profile i.e. management, no. of employee, Key professionals (Team and project leader, Solution Architect, Infrastructure Architect, Software Architect, Database Architect, Backend Software Developer, Frontend Software Developer, DevOps (Web Engine Specialist), DevOps (Distributed System/ Cloud Specialist), Database Administrator, System Administrator, System Support Engineer etc.), firm's specialty, performance summarizing their facilities and areas of expert.</p> <p>iv. Two years annual report and Audited financial statement of the firm for last 03(three) years.</p> <p>v. List of "Completed" and "Ongoing" similar works. Supporting documents should be submitted in favor of "Completed" and "Ongoing" similar works.</p> <p>vi. Descriptions of similar Assignments;</p> <p>vii. Experience in similar operating environments and conditions;</p> <p>viii. Joint venture/Consortium/Association of agreement letter of Intent (if applicable). Association/consortium/Joint venture agreement on a non-judicial stamp of value BD Taka 300 or letter of Intent to enter in to such agreement along with the proposed agreement duly signed by all partners of the intended Association/Consortium/ Joint venture and authenticated by a notary public. Otherwise EOI form Association/Consortium/Joint venture will not be considered for short listing.</p> <p>ix. Any other/ additional information relevant to this assignment.</p>			
15.	Other Details	<p>The short-listing criteria are:</p> <ol style="list-style-type: none"><li>1. Age of the firm</li><li>2. Experience of the firm in similar works</li><li>3. Availability of Resources</li><li>4. Experience of Key professionals</li><li>5. Financial Ability</li><li>6. Other submitted document of the firm</li></ol> <p>Firms shall have to submit 1 (One) Original and 1(One) copy of EOIs and forwarding letter in a sealed envelope to the following address.</p>			
16.	Association with foreign firm is	Encouraged			
	Ref. No.	Phasing of Services	Location	Indicative start date	Indicative Completion date
17.	52.01.0000.409.07.314.22.4762	Single Phase	BBS, Dhaka	June 2022	May 2023
PROCURING ENTITY DETAILS					
18.	Name of official Inviting Expression of Interest	Md. Dilder Hossain			
19.	Designation of official Inviting Expression of Interest	Project Director			
20.	Address of official Inviting Expression of Interest	Project Office, Population and Housing Census 2021 Project, Bangladesh Bureau of Statistics (BBS), Agargaon, Dhaka.			
21.	Contract details official Inviting Expression of Interest	Phone: +8802-55007008, Email: <a href="mailto:dilderbbsbd@gmail.com">dilderbbsbd@gmail.com</a>			
22.	The procuring Entity reserves the right to cancel the notice of Expression of Interest and/or to reject any or all applications without assigning any reason thereof.				



(Md. Dilder Hossain)  
Project Director