

Brand and Communications

13 January, 2022

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Sub: Request For Quotation (RFQ) to re-construct Prime Bank website.

Technical Specification:

Bidder Name:

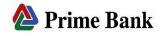
		Agency's Feedback					
SL	Description	Fully Complied	Need Customization	Workaround Available	Cannot Customize	Comments	
1	Audit Trail & details User Activity Report with Timestamp, Date, IP address, Mac Address etc.						
2	Password Guideline a. Passwords for user-level shall be at least eight (8) characters long, whereas for admin-level passwords shall be at least twelve (12) characters long b. Passwords must contain both upper and lower case characters (i.e. a-z, A-Z); c. Passwords must contain digits and/or special characters/punctuation (e.g. 0-9, !~@#\$%^&*()_=+- [{]}''';:,<.>/?\ ,); d. Same Password cannot Reuse for next three times e. Password should be changed on first time login f. System should have capable to send password through email/SMS etc. g. Password cannot be reset within 1 day, System should have the capacity.						
3	User Management (Role Based access control)						



4	Disable the multiple session			I	
4	options for the site.				
5	Session time out period should be set				
6	SQL Injection prevention				
7	Password should not be hard				
,	coded in any application				
	Application should support				
8	inputter-authorizer concept				
	as where applicable. Authentication should be				
9	performed for each				
5	privileged request				
	Authentication must not be				
10	based on the knowledge of a				
	secret URL				
	Authentication failures must				
11	always result in the same log				
	message				
12	Default, test or temporary				
12	user accounts / ID should not exist				
	Password brute forcing must				
13	be prevented				
14	Username enumeration				
14	must be prevented				
	A denial of service using				
15	automatically locked				
	accounts must be prevented				
	Ability to perform user profile reporting easily, using				
16	flexible reporting				
	mechanism.				
	Session-ids must be				
17	generated with sufficient				
	entropy				
18	User generated session-ids				
	must be rejected				
19	Session-cookies must be transmitted via HTTPS				
	The secure flag must be set				
20	on the session cookies				
21	The http only flag must be				
~ 1	set on the session cookies				
	Sessions must be revoked if				
22	the session-id is not received				
	via HTTPS Data mutation must be				
23	performed using POST				
23	requests				
	A session-bound token must				
24	be validated for each POST				
	request				
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	A conservative size limit				
25	must be enforced on				
	uploaded files				
	Application must be able to				
	protect itself from various				
26	application vulnerability				
	issues.				
27	Application must be able to				
27	protect itself from Cross Site				
	Scripting Attack				
28	Click jacking should be				
	handled				
29	CSRF should be handled.				
30	Denial of Service Prevention				
30	should be handled				
	System should have file				
31	sanitization mechanism for				
	handing file upload features				
	Source Code should be				
32	Hardcoded				
	XSRF - Using user's logged in				
33	session to manipulate				
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	Stored data, logic				
24	programming problems,				
34	displayed contents that				
	reveals sensitive information				
	etc. must be protected.				
	Serialization of untrusted				
	data, codes and updates				
35	pulled from remote source				
	must be handled securely to				
	ensure data integrity.				
	Session Hijack -				
20	Compromise user's session				
36	by editing and injecting				
	session cookie				
	SSRF: User-submitted URLs				
37	fetched from remote sources				
	must be validated.				
	Thin client deployment over		1		
	internet must be secured by				
	256-bit SSL and PKI				
38					
	Application must be flexible				
	on adding new feature in				
	future without alerting any.				
	Ability to encrypt passwords				
39	and other sensitive data				
	based on industry-standard				
	encryption mechanisms.				
	Ability to configure the				
	system using parameter-or				
10	table-driven approach. This				
40	includes data structures,				
	screens, functions, key fields				
	and reports.				
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41	Ability to linearly scale based on reasonable growth patterns by adding incremental computing resources. Also to support clustering at each layer I.e Web server, Application Server and Database for Fault Tolerance & Load Balancing. The system would be developed to support clusters environments on N servers.			
42	The application should be parameterized to facilitate initial system set-up and future maintained activates.			
43	Application must allow user- defined archival period and provides the necessary archival tools.			
44	Details Diagram of Application platform / architecture?			
45	What is the Application Framework? Latest Framework will be preferable.			
46	Supported Browser (should be independent)			
47	Browser Version Compatibility issue (if any)			
48	How access control is managed, whether it can be customized?			
49	Any kind of System notification by Email, SMS, Dashboard to System Administrator? System should be capable to have Email, SMS Notification to All kind of Users; In addition System Should have a Comprehensive Dashboard also.			
50	End Point Security related suggestion to implement in Database, Application or Web Server			
51	Should Application server and Database Server will reside in the same server or in different server?			



	How PBL will approach if any				
	BUG is detected during Post				
52	Live operation? How the				
	Change request will be				
	attended by vendor?				
	If power gets down at client				
53	end then how the data				
	consistency will be				
	maintained?				
54	How memory overflow will				
54	be handled?				
	Application should be Single				
55	Page Application (SPA)				
	Application should be				
	responsive from any device				
56	(desktop/laptop/mobile/tabl				
	et/or any other devices).				
57	Application should be SEO				
<u>,</u>	friendly.				
	Is this application support				
50	container based platform				
58	/Micro service?				
	(Docker/Kubernetes)				
	How you will provide				
59	required Patches for new				
59	•				
	change request?				
	What will be the Deployment				
60	Model (On-premise or				
	cloud)? If cloud then where				
	the data will be stored.				
	What is the Brand, Model,				
61	Storage of the server you				
	suggested?				
	Please provide Detail system				
62	architecture. Mentioned the				
	tier of your architecture.				
	Is this system support				
63	virtualization- VMWare?				
	Provide detail hardware				
	sizing (application, database,				
	web server or any other				
	server mentioned in				
	architecture) considering				
	below:				
	1. In DC: live, backup and				
64	testing/UAT system				
	environment				
	2. In DRS: live system				
	environment, backup				
	3. High Availability (HA) of				
	application, database, web				
	server or any other else				
	mentioned in architecture.				
	Mentioned Supported OS?				
65	(Red Hat, Windows or any				
	other else)				
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66	Mentioned the Web service used (Apace/Tomcat/IIS/or any other else)			
67	What type of load balancer will be used?			
68	Mentioned supported Database Platforms?			
69	The Application should apply checks to ensure that: - no part of the database has been lost - data within the system is consistent - Information has been written to the database consistently.			
70	Please mention your licensing model (user basis/perpetual/or any other model).			