

भारतीय रिज़र्व बैंक  
RESERVE BANK OF INDIA

www.rbi.org.in

17 जून 2022	
<b>RTI Portal</b>	
[REDACTED]	
महोदय,	Sir,
<b>सूचना का अधिकार अधिनियम 2005 के अंतर्गत आवेदन- आरबीआईएनडी/आर/ई/22/03146</b>	<b>Application under Right to Information Act, 2005 - RBIND/R/E/22/03146</b>
कृपया सूचना का अधिकार अधिनियम, 2005 के अंतर्गत सूचना प्राप्त करने के लिए प्रस्तुत अपने दिनांक 20 मई 2022 के आवेदन का संदर्भ लें।	Please refer to your application dated May 20, 2022 seeking certain information under the Right to Information Act, 2005.
2. संबंधित जानकारी अनुबंध में प्रस्तुत है।	2. The information is furnished in the Annex.
3. हम आपको सूचित करना चाहते हैं कि भारतीय रिज़र्व बैंक में प्रथम अपील अधिकारी का नाम, श्री आर. एस. रथ, कार्यपालक निदेशक, भारतीय रिज़र्व बैंक, भुगतान और निपटान प्रणाली विभाग, 14 वीं मंजिल, केंद्रीय कार्यालय भवन, शहीद भगत सिंह मार्ग, फोर्ट, मुंबई-400001 हैं। उपर्युक्त उत्तर के संबंध में आप यदि कोई अपील करना चाहें तो उसे इस पत्र की प्राप्ति के 30 दिनों के भीतर प्रथम अपीलीय प्राधिकारी को भेज सकते हैं।	3. We would like to inform that the First Appellate Authority in Reserve Bank of India is Shri R. S. Ratho, Executive Director, Reserve Bank of India, Department of Payment and Settlement Systems, 14 <sup>th</sup> Floor, Central Office Building, Shahid Bhagat Singh Road, Fort, Mumbai - 400001. Appeal, if any, in respect of the above reply, should be preferred within 30 days to the First Appellate Authority.
भवदीय/ Yours faithfully	
वासुदेवन . पी	
(पी वासुदेवन)	
केंद्रीय जन सूचना अधिकारी / Central Public Information Officer	
Encl: As above	

RBIND/R/E/22/03146

Sr. No	Information Sought	Reply																												
<p>Does the RBI have the following data, as submitted by different ecosystem players - card networks, banks, PA/PGs, merchants - or otherwise:</p> <p><u>Token provisioning</u></p>																														
1.	<p>What is the latest status on token provisioning by card networks (Mastercard, VISA, Rupay) and issuing banks (ICICI, SBI etc.)?</p> <table border="1" data-bbox="240 526 895 1167"> <thead> <tr> <th data-bbox="240 526 379 943">Card Network/ Issuer</th> <th data-bbox="379 526 571 943">Number of credit and debit cards in circulation by Card Network/ Issuer</th> <th data-bbox="571 526 762 943">Percentage of credit and debit cards by Card Network/ Issuer on which at least one token has been generated *</th> <th data-bbox="762 526 895 943">Average number of tokens generated per card in circulation by the Card Network / Issuer*</th> </tr> </thead> <tbody> <tr> <td data-bbox="240 943 379 1003">Mastercard</td> <td data-bbox="379 943 571 1003"></td> <td data-bbox="571 943 762 1003"></td> <td data-bbox="762 943 895 1003"></td> </tr> <tr> <td data-bbox="240 1003 379 1064">Visa</td> <td data-bbox="379 1003 571 1064"></td> <td data-bbox="571 1003 762 1064"></td> <td data-bbox="762 1003 895 1064"></td> </tr> <tr> <td data-bbox="240 1064 379 1124">Rupay</td> <td data-bbox="379 1064 571 1124"></td> <td data-bbox="571 1064 762 1124"></td> <td data-bbox="762 1064 895 1124"></td> </tr> <tr> <td data-bbox="240 1124 379 1184">ICICI</td> <td data-bbox="379 1124 571 1184"></td> <td data-bbox="571 1124 762 1184"></td> <td data-bbox="762 1124 895 1184"></td> </tr> <tr> <td data-bbox="240 1184 379 1245">SBI</td> <td data-bbox="379 1184 571 1245"></td> <td data-bbox="571 1184 762 1245"></td> <td data-bbox="762 1184 895 1245"></td> </tr> <tr> <td data-bbox="240 1245 379 1317">.....</td> <td data-bbox="379 1245 571 1317"></td> <td data-bbox="571 1245 762 1317"></td> <td data-bbox="762 1245 895 1317"></td> </tr> </tbody> </table> <p>*Since a token is a unique combination of a card, token requester and merchant/device, tens or hundreds of tokens may be generated for any one card?</p>	Card Network/ Issuer	Number of credit and debit cards in circulation by Card Network/ Issuer	Percentage of credit and debit cards by Card Network/ Issuer on which at least one token has been generated *	Average number of tokens generated per card in circulation by the Card Network / Issuer*	Mastercard				Visa				Rupay				ICICI				SBI				.....				<p>The information in the manner desired is not available with Reserve Bank of India (RBI).</p>
Card Network/ Issuer	Number of credit and debit cards in circulation by Card Network/ Issuer	Percentage of credit and debit cards by Card Network/ Issuer on which at least one token has been generated *	Average number of tokens generated per card in circulation by the Card Network / Issuer*																											
Mastercard																														
Visa																														
Rupay																														
ICICI																														
SBI																														
.....																														
2.	<p>Can a user generate a token in real-time and have a payment processed on the said token simultaneously?</p>	<p>Query is in the nature of seeking an opinion and is not information as defined in Section 2 (f) of the Right to Information Act, 2005 (RTI Act).</p>																												
3.	<p>With regard to the previous question (question 2), has any testing been done by any of the ecosystem players in this regard? If yes, could you share the data created from such testing, especially success and failure rates?</p>	<p>No such information is available with RBI.</p>																												
4.	<p>Does the RBI have any estimate about how much time, on average, does it take for the two to happen simultaneously, i.e. how long does the customer need to remain in-session to generate a token and have a payment successfully processed/ completed on it?</p>	<p>No such information is available with RBI.</p>																												
<p><u>Token processing</u></p>																														
5.	<p>What are the <u>typical transaction per second rates</u> expected of card networks from 1st July i.e. how many credit and debit cards transactions are processed for online transaction per second on a typical day in the Indian economy?</p>	<p>No such information is available with RBI.</p>																												
6.	<p>Have ecosystem players submitted any data with respect to testing on token processing? If</p>																													

Sr. No	Information Sought	Reply
	yes, could you share the data created from such testing?	
7.	Based on the above submissions or otherwise, and with regard to the question 5, what is RBI's estimate of the current capacity of the payments ecosystem to handle tokenized transactions i.e. does the RBI have an estimate of the maximum number of tokenised transactions the ecosystem can <u>handle at present per second</u> ? Please provide data separately, if available, for transactions per second rates concerning both tokens generated in a previous session, as well as tokens created in the same session.	Query is in the nature of seeking an opinion and is not information as defined in Section 2 (f) of the RTI Act.
<u>Special use cases</u>		
8.	<p>Does the RBI have information on testing for specific use-cases? In particular, has any information been submitted by ecosystem players on successfully testing for the following:</p> <ul style="list-style-type: none"> <li>• Initiating a refund or chargeback on a tokenized transaction</li> <li>• Transaction processed on a token be converted into an EMI</li> <li>• Transaction processed on a token have offers and discounts applied to it</li> <li>• Setting up of recurring payments/ e-mandates for <u>new</u> customers</li> <li>• Setting up of recurring payments/ e-mandates for <u>existing</u> customers</li> </ul>	No such information is available with RBI.
9.	If so, what have been the results of such tests for use cases outlined in question 8? If not, does RBI plan to conduct such tests in the future?	Queries are in the nature of seeking opinion and not information as defined in Section 2 (f) of the RTI Act.
10.	Is RBI planning to undertake a pilot project or create a regulatory sandbox to test the success of tokenization in a controlled environment, before the solution is extended to the entire payments ecosystem?	
<u>Guest-checkouts</u>		
11.	Does the RBI have an estimate of the percentage of overall online debit and credit card transactions that are guest-checkouts (wherein the customer opts not to save their card – in token form or otherwise - with the merchant)?	No such information is available with RBI.
12.	With regard to the above (question 11), has there been any testing done for the guest checkout use case?	
13.	In the context of guest-checkouts, how will refunds be handled if the acquirer bank is not allowed to save customer card details?	Query is in the nature of seeking opinion and is not an information as defined in Section 2 (f) of the RTI Act.

Sr. No	Information Sought	Reply
Integration by merchants		
14.	Does the RBI have information on how many Payment Aggregators/Payment Gateways have provided <u>final</u> APIs for integration to merchants?	No such information is available with RBI.
<u>Other questions</u>		
15.	Following the enforcement of the circular on 'Restriction on storage of actual card data [i.e. Card-on-File (CoF)]' dated 23/12/2021, will acquirer banks be allowed to store customer card data?	Queries are in the nature of seeking opinion and not information as defined in Section 2 (f) of the RTI Act.
16.	Has the RBI done any studies on the effect of the abovementioned provisions on the supply of credit to Indian consumers and small businesses, given that cardholders may be forced to move from credit card based payments to other type of non-credit payments?	
17.	Does the RBI recognize any solutions, other than tokenization, to overcome the issue of merchants not being allowed to hold customer card data?	