

IT System Criticality Assessment Tool

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DIRECTOR

● Name of the Office:

IT System Criticality Assessment Tool

Preliminary Information

A Name of the Entity _____

B Nature of the Entity

Hqrs	<input type="checkbox"/>
Regional Office	<input type="checkbox"/>
Branch Office	<input type="checkbox"/>
Unit Office	<input type="checkbox"/>
All of the above	<input type="checkbox"/>

C Name of the System _____

D Short Description of the System

Questions

1 Does the system relates to any of the following

- Payroll of more than 1000 employees (30)
- Payroll of more than 200 employees (20)
- Payroll of less than 200 employees (10)
- Billing & Revenue (30)
- Maintenance of Accounts (25)
- Payment of Bills etc (30)
- Data processing of information of public interest (25)
- e-governance (30)
- Inventory/Stock Management (25)
- Manufacturing/ Engineering (10)
- Sales or Marketing (20)

2 Investment made in the System

- Less than Rs 5 lakhs (10)
- More than Rs 5 lakhs less than Rs 25 lakhs (15)
- More than Rs 25 lakhs less than Rs 50 lakhs (20)
- More than Rs 50 lakhs less than Rs 1 Crore (25)
- More than Rs 1 Crore (30)

3 General state of computerization in the entity. The entity has computerised

- Most of the Business processes (30)
- Most of the Accounting and Financial Processes (25)
- No other business process (10)

4 Number of PCs/ Desktops used for the system

- More than 100 (30)
- More than 50, less than 100 (25)
- More than 20, less than 50 (15)
- More than 10 less than 20 (10)
- Less than 10 (5)

5 In case the system is network based

- No network (5)
- Internal LAN (10)
- WAN and MAN (20)
- Webbased (30)

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- In case of LAN, the organization is dependant on
- | | | |
|---|------|----------------------|
| Wire based LAN/WAN/MAN | (10) | |
| Telecommunication link including leased lines/Microwave | (20) | |
| Internet based/Satellite based | (25) | <input type="text"/> |
- 7 In case of Client Server Architecture
- | | | |
|-------------------------------|------|----------------------|
| No client server architecture | (5) | |
| Client Server Architecture | (30) | <input type="text"/> |
- 8 The system is functioning at
- | | | |
|--|------|--|
| Only one location | (10) | |
| More than one, less than 5 locations | (20) | |
| More than 5 locations | (30) | |
| Is proposed to be expanded in more than one location | (25) | |
- 9 The entity is dependant on the system in as much as
- | | | |
|---|------|----------------------|
| Outputs are used to make payments/ raise bills | (30) | |
| Outputs are manually checked <i>before</i> making payments/ raising bills | (15) | |
| Outputs are used to prepare Financial Statements | (25) | |
| Outputs are not used at all for payment/revenue purposes | (5) | <input type="text"/> |
- 10 Even though, the system does not deal with financial functions, it processes data of public interest. Such is the data that wrong data may lead to:
- | | | |
|---|------|----------------------|
| Wrong person getting advantage/right person not getting advantage | (20) | |
| Erosion of credibility of the Organization | (15) | |
| impossibility of using the data in future | (20) | <input type="text"/> |
- 11 If public has access to such data either through web or any other means
- | | | |
|---------------------------------|------|----------------------|
| Yes, Public can view the data | (25) | |
| No, Public cannot view the data | (10) | <input type="text"/> |
- 12 If the System has been financed on borrowings
- | | | |
|---|------|----------------------|
| No, the system has been financed from internal resources | (5) | |
| Yes, the system has been financed from borrowings | (10) | |
| Yes, the system has been financed from loans from int'l organizations | (20) | <input type="text"/> |
- 13 Does the System make use of direct links to third parties e.g. EDI
- | | | |
|-----|------|----------------------|
| Yes | (30) | |
| No | (5) | <input type="text"/> |

●	Does the Organization has dedicated IT Audit Staff		
	Nil	(5)	
	Less than 10	(10)	
	More than 10, less than 30	(15)	
	More than 30, less than 70	(20)	
	More than 70	(25)	<input type="text"/>
15	Approximately how many persons can be termed as the end-user of the system		
	Less than 5	(5)	
	More than 5, less than 25	(10)	
	More than 25 less than 70	(20)	
	More than 70	(25)	<input type="text"/>
16	The system is in operation for		
	More than 10 years	(5)	
	Less than 10 years but more than 5 years	(10)	
	Less than 5 years but more than 2 years	(15)	
	Less than 2 years	(20)	<input type="text"/>
17	The system was developed		
	In house	(10)	
	By a contractor/ other Governmental agency	(20)	<input type="text"/>
18	The hardware including network components were purchased through		
	inhouse procedures	(10)	
	Outsourcing to third party	(15)	<input type="text"/>
19	The system is based on		
	Batch Processing	(10)	
	On Line Transaction Processing	(25)	<input type="text"/>
20	How often changes are made to the applications		
	more than 5 times in a year	(30)	
	less than 5 times in a year more than twice in a year	(20)	
	Less than twice in a year	(10)	
	Not even once in a year	(5)	<input type="text"/>

Volume of data in the system is approximately including off line data

More than 10 GB (25)

More than 2 GB less than 10 GB (15)

less than 2 GB (10)

less than 1 GB (5)

Total Score