



MyGov*Net KKR-CIDB MONTHLY SLG REPORT JUNE 2019

GITN Sdn. Berhad

"The monthly service management report has been prepared for customer subscribed to MyGov*Net services. It is intended to cover the service performance including network availability, utilization and helpdesk reports for each Ministry or Agency. The contents of the reports is subject to change from time to time depending on the need."

MyGov*Net KKR-CIDB June 2019

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1. EXECUTIVE SUMMARY

1.1 KKR-CIDB Secured Wide Area Network consists of 20 sites with 20 number of circuits including 3 managed switch service for consolidation building. Details list of sites circuit as below:

Table 1: List of Circuit

Bandwidth (Kbps)	No of Circuit
2,000	12
6,000	6
7,000	1
20,000	1

1.2 The overall Service Availability for June is 100.0%. There are 20 circuits had achieved the SLG and 0 circuits not achieved. The details of summary as below:

Table 2: List of SLG (Secured Wide Area Network)

SLG (%)	Meet SLG	Not Meet SLG	Total Circuit
99.9	1	0	1
99.7	16	0	16
99.3	3	0	3

- 1.3 Based on SAMS network monitoring, there are 15 circuits achieved 100.0% Circuit Availability and 5 circuits not achieved 100.0% Circuit Availability.
- 1.4 There are 11 circuits with circuits utilization exceeded 85% based on 95th percentile threshold. The threshold is based on maximum value data and need to be considered for upgrading. The details is in Table 12.
- 1.5 For the month of June 2019, there is 0 Tickets Report (TR) with Closed Status. The list of summary Ticket Category as below:

Table 3: List of Ticket Category

Category	No. of Tickets
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^{*} There is no data for Ticket Category for this month.

Table 4: List of Detail Closure Code

Closure Code	No. of Tickets
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^{*} There is no data for Closure Code for this month.

2. AVAILABILITY SUMMARY

2.1 There are 2 types of availability generated in this report:

a) Service Availability

Service Availability is defined as the percentage of time service are available to the Customer during the course of a month. Service Availability is calculated based on fault reported by customer in accordance with the following formula:

Service Availability for Month = $((T - D) \times 100)/T$

Where:

T is the total number of minutes in the Month; and

D is Downtime.

Downtime means any interruption to availability of service which includes due to GSB, Telco, Customer and Others.

b) Site Avalaibility

Site Availability is defined as the percentage of actual Site or Circuit Uptime during the course of a month. Site Availability is calculated based on SNMP polling by SAMS system (example 5 minutes interval) in accordance with the following formula:

Site Availability for Month = $((T - F) \times 100)/T$

Where:

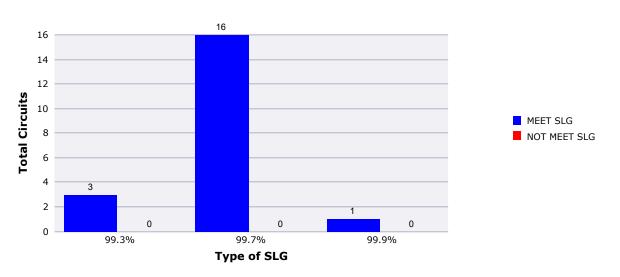
T is the total number of SNMP polling requests in the Month; and

F is the total number of SNMP polling failed request.

Failed request means device does not response to SNMP queries after a configurable time-out period.

2.2 The summary of SLG Achievement based on type of SLG.

Figure 1: Summary of SLG Achievement



2.3 The list of circuits achieved SLG as below:

Table 6: Circuits Achieved Service Availability SLG

No	Circuit Name	Speed (Kbps)	Technology	SLG (%)	Service Avail (%)
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No	Circuit Name	Speed (Kbps)	Technology	SLG (%)	Service Avail (%)
1	CIDB Miri	2,000	IPME	99.7	100
2	CIDB Negeri Kedah	2,000	IPLL	99.7	100
3	CIDB Negeri Melaka	2,000	IPLL	99.7	100
4	CIDB Negeri Pahang	2,000	IPME	99.7	100
5	CIDB Negeri Pulau Pinang	2,000	IPLL	99.7	100
6	CIDB Negeri Terengganu	2,000	IPLL	99.7	100
7	CIDB Tawau	2,000	IPLL	99.7	100
8	Ibu Pejabat CIDB	20,000	IPME	99.9	100
9	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Bintulu	2,000	IPME	99.7	100
10	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Sandakan	2,000	IPME	99.7	100
11	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Kuala Lumpur	6,000	IPME	99.7	100
12	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Johor	2,000	IPME	99.7	100
13	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Kelantan (PKINK KB) (Konso)	6,000	MSS 1-10 Ports	99.3	100
14	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perak (KWSP Ipoh) (Konso)	7,000	MSS 1-10 Ports	99.3	100
15	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perlis	2,000	IPME	99.7	100
16	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Sabah (KWSP KK) (Konso)	2,000	MSS 1-10 Ports	99.3	100
17	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sarawak	6,000	IPME	99.7	100
18	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Selangor	6,000	IPME	99.7	100
19	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sembilan	6,000	IPME	99.7	100
20	Sektor Teknologi, Lembaga Pembangunan Industri Pembinaan Malaysia	6,000	IPME	99.7	100

2.4 There is 0 circuits not achieved SLG as below:

Table 7: Circuits Not Achieved Service Availability SLG

No	Circuit Name	Speed (Kbps)	Technology		Service Avail (%)	Remarks
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^{*} There is no data for circuits not achieved SLG for this month.

2.5 The list of circuits achieved 100% Circuit Availability based on SAMS Network Monitoring as below:

Table 8: Circuits Achieved 100% Circuit Availability

No	Circuit Name	Speed (Kbps)	Technology	SLG (%)	Circuit Avail (%)
1	CIDB Negeri Kedah	2,000	IPLL	99.7	100.0
2	CIDB Negeri Melaka	2,000	IPLL	99.7	100.0
3	CIDB Negeri Pahang	2,000	IPME	99.7	100.0
4	CIDB Negeri Pulau Pinang	2,000	IPLL	99.7	100.0
5	CIDB Negeri Terengganu	2,000	IPLL	99.7	100.0
6	Ibu Pejabat CIDB	20,000	IPME	99.9	100.0
7	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Bintulu	2,000	IPME	99.7	100.0
8	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Kuala Lumpur	6,000	IPME	99.7	100.0
9	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Johor	2,000	IPME	99.7	100.0
10	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perak (KWSP Ipoh) (Konso)	7,000	MSS 1-10 Ports	99.3	100.0
11	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perlis	2,000	IPME	99.7	100.0
12	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Sabah (KWSP KK) (Konso)	2,000	MSS 1-10 Ports	99.3	100.0
13	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sarawak	6,000	IPME	99.7	100.0
14	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sembilan	6,000	IPME	99.7	100.0
15	Sektor Teknologi, Lembaga Pembangunan Industri Pembinaan Malaysia	6,000	IPME	99.7	100.0

2.6 There are 5 circuits not achieved 100% Circuit Availability based on SAMS Network Monitoring.

Table 9: Circuits Not Achieved 100% Circuit Availability

No	Circuit Name	Speed (Kbps)	Technology	SLG (%)	Circuit Avail (%)	Remarks
1	CIDB Miri	2,000	IPME	99.7	99.9	
2	CIDB Tawau	2,000	IPLL	99.7	99.9	

No	Circuit Name	Speed (Kbps)	Technology	SLG (%)	Circuit Avail (%)	Remarks
3	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Sandakan	2,000	IPME	99.7	83.1	
4	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Kelantan (PKINK KB) (Konso)	6,000	MSS 1-10 Ports	99.3	99.9	
5	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Selangor	6,000	IPME	99.7	99.3	

2.7 KKR-CIDB did not subscribed Optional Services.

3. SUMMARY OF UTILIZATION REPORT

- 3.1 The 85% threshold is chosen as indicator for network congestion. Any incoming and outgoing traffic that goes beyond the threshold is considered as high network utilization and therefore should be considered for upgrading.
- 3.2 There are 11 circuits that exceeded 85% threshold utilization based on maximum value data. The list of circuits is as per Table 12 below.

Table 12: List of Sites Exceeded 85% Threshold Utilization

No	Circuit Name	Speed (Kbps)	Util In (%)	Util In Kbps (Max)	Util Out (%)	Util Out Kbps (Max)
1	CIDB Negeri Kedah	2,000	52.98	1,060	96.55	1,931
2	CIDB Negeri Melaka	2,000	85.64	1,713	42.83	857
3	Ibu Pejabat CIDB	20,000	69.11	13,822	97.02	19,404
4	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Sandakan	2.000	0.19	4	100.00	2,000
5	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Kuala Lumpur	6,000	99.11	5,947	23.53	1,412
6	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Johor	2,000	89.49	1,790	81.97	1,639
7	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Kelantan (PKINK KB) (Konso)	6.000	98.19	5.891	98.70	5,922
8	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perak (KWSP Ipoh) (Konso)	7,000	98.18	6,872	95.81	6,706
9	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perlis	2,000	98.96	1,979	95.81	1,916
10	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Sabah (KWSP KK) (Konso)	2,000	68.73	1,375	95.81	1,916

No	Circuit Name	Speed (Kbps)	Util In (%)	Util In Kbps (Max)	Util Out (%)	Util Out Kbps (Max)
11	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Selangor	6,000	98.84	5,930	100.00	6,000

3.3 There is 1 circuits that under utilize below 5% utilization as below.

Table 13: List Sites Under Utilize Below 5%

No	Circuit Name	Speed (Kbps)	Util In (%)	Util In Kbps (Max)	Util Out (%)	Util Out Kbps (Max)	Remarks
1	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Sandakan	2,000	0.19	1.00	100.00	1.00	New UAT (04/06/2019)

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3.4 The total of circuits below 20% Utilization For 3 Consecutive Month is **5.**

Table 11: List of circuits below 20% Utilization for 3 Consecutive Months

No	Circuit Name	Speed	April(%)		May (%)		June (%)		Remarks
NO	Circuit Name	(Kbps)	In	Out	ln	Out	In	Out	Remarks
1	CIDB Negeri Terengganu	2000	10.92	12.54	5.17	11.16	5.39	5.58	Using other ISP
2	CIDB Tawau	2000	9.01	15.28	6.74	2.85	6.66	5.97	Using other ISP
3	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Bintulu	2000	8.92	2.69	9.76	1.81	6.77	1.35	On Demand (EG Apps)
4	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Sandakan	2000	6.11	2.03	5.58	2.05	0.08	0.06	New UAT (04/06/2019)
5	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sembilan	6000	11.24	11.59	6.42	2.70	5.08	1.13	Using other ISP

3.5 The list of utilization for all circuits as below:

Table 14: List of Utilization for All Circuits

No	Circuit Name	Speed (Kbps)	Util In (%)	Util In Kbps (Max)	Util Out (%)	Util Out Kbps (Max)
1	CIDB Miri	2,000	66.28	1,326	32.78	656
2	CIDB Negeri Kedah	2,000	52.98	1,060	96.55	1,931
3	CIDB Negeri Melaka	2,000	85.64	1,713	42.83	857
4	CIDB Negeri Pahang	2,000	44.30	886	67.35	1,347
5	CIDB Negeri Pulau Pinang	2,000	80.03	1,601	79.55	1,591
6	CIDB Negeri Terengganu	2,000	37.69	754	8.73	175
7	CIDB Tawau	2,000	60.32	1,206	49.26	985
8	Ibu Pejabat CIDB	20,000	69.11	13,822	97.02	19,404
9	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Bintulu	2,000	41.79	836	52.27	1,045
10	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Sandakan	2,000	0.19	4	100.00	2,000
11	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Kuala Lumpur	6,000	99.11	5,947	23.53	1,412
12	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Johor	2,000	89.49	1,790	81.97	1,639
13	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Kelantan (PKINK KB) (Konso)	6,000	98.19	5,891	98.70	5,922
14	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perak (KWSP Ipoh) (Konso)	7,000	98.18	6,872	95.81	6,706
15	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perlis	2,000	98.96	1,979	95.81	1,916
16	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Sabah (KWSP KK) (Konso)	2,000	68.73	1,375	95.81	1,916
17	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sarawak	6,000	19.79	1,187	17.43	1,046
18	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Selangor	6,000	98.84	5,930	100.00	6,000
19	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sembilan	6,000	29.73	1,784	16.77	1,006
20	Sektor Teknologi, Lembaga Pembangunan Industri Pembinaan Malaysia	6,000	13.87	832	75.57	4,534

3.6 Recommendation for upgrading circuits exceed threshold based on 95th percentile for 3 consecutive months:

No	Circuit Name	Speed (Kbps)	April %	May %	June %
1	Lembaga Pembangunan Industri Pembinaan Malaysia (Cidb) Negeri Kelantan (PKINK KB) (Konso)	6,000	96.58	95.99	96.53

No	Circuit Name	Speed (Kbps)	April %	May %	June %
2	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perak (KWSP Ipoh) (Konso)	7,000	97.26	97.86	96.83
3	Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perlis	2,000	97.58	94.03	97.45

4. HELPDESK SUMMARY

4.1 There is total of 0 Tickets Report (TR) with status closed.

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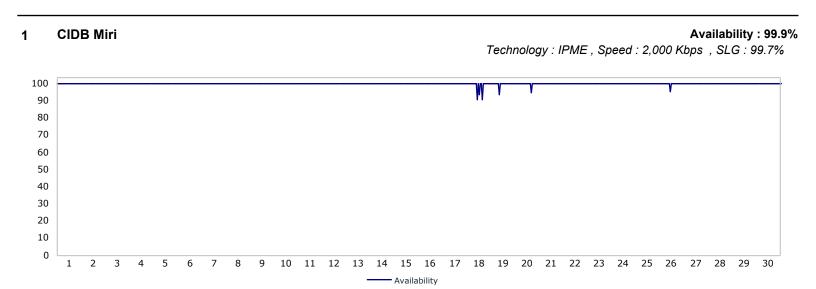
4.2 List of Tickets Report (TR) for June 2019

No	Ticket Category	Ticket No	Site Name	Problem Title	Action Resolution	Fault Category	Technology	Open Date	Closed Date	Outage HH:MM:SS	Hold Time HH:MM:SS	Resolution Time HH:MM:SS
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^{*} There is no data for Ticket Report (TR) for this month.

APPENDIX

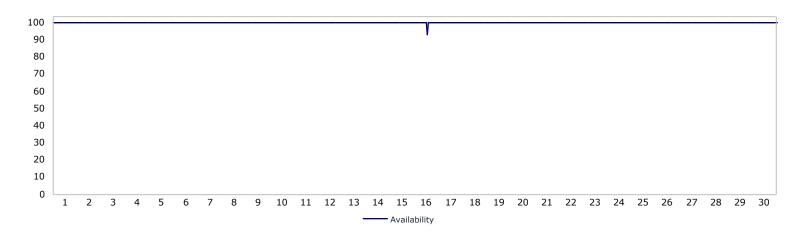
Availability Graph for June 2019



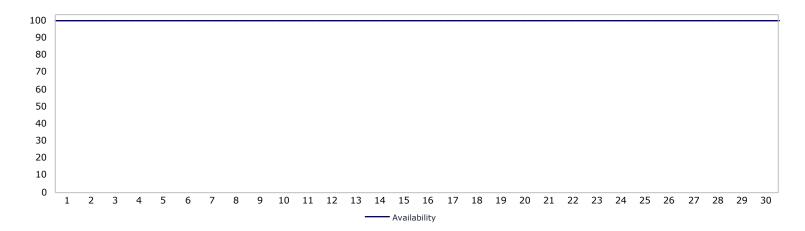
2 CIDB Negeri Kedah

Availability: 100.0%

Technology: IPLL, Speed: 2,000 Kbps, SLG: 99.7%



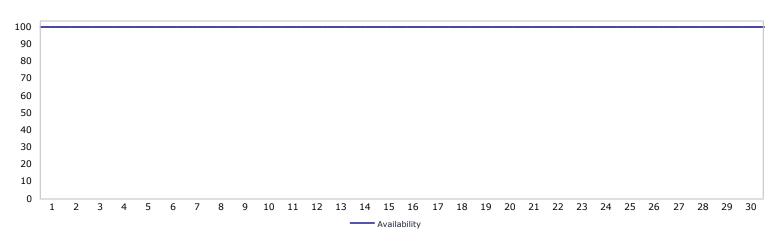
3 CIDB Negeri Melaka Availability: 100.0% Technology: IPLL, Speed: 2,000 Kbps, SLG: 99.7%



CIDB Negeri Pahang

Availability: 100.0%

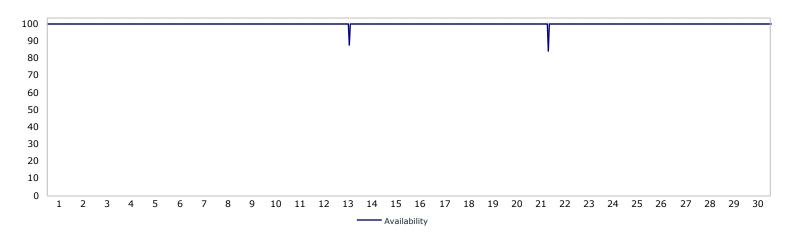
Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7%



5 CIDB Negeri Pulau Pinang

Availability: 100.0%

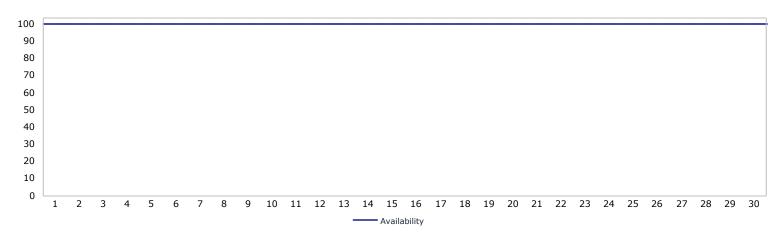
Technology: IPLL, Speed: 2,000 Kbps, SLG: 99.7%

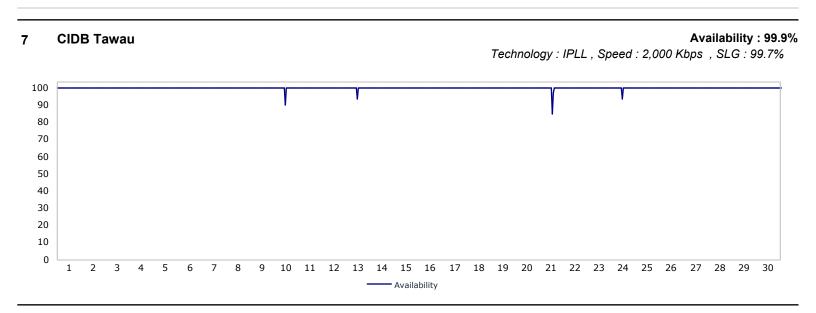


6 CIDB Negeri Terengganu

Availability: 100.0%

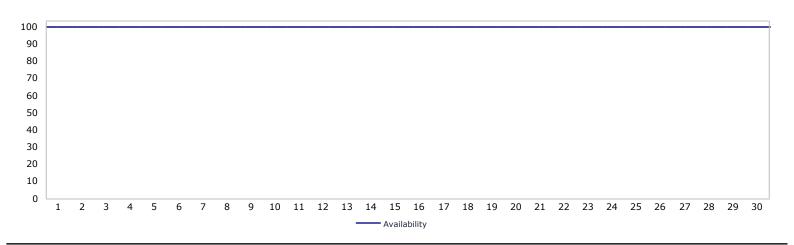
Technology: IPLL, Speed: 2,000 Kbps, SLG: 99.7%





Ibu Pejabat CIDB 8

Availability: 100.0% Technology: IPME, Speed: 20,000 Kbps, SLG: 99.9%



Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Bintulu 9 Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7%

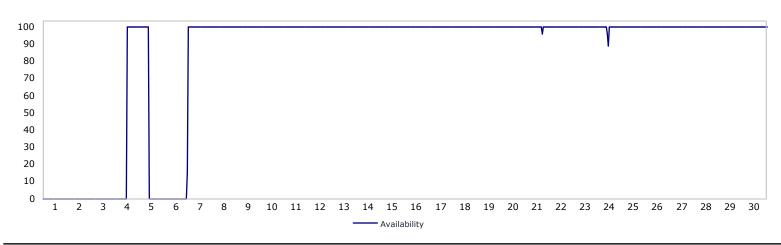
Availability: 100.0%

100

90 80 70 60 50 40 30 20 10 0 12 13 14 15 16 18 19 - Availability

10 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Sandakan Availability : 83.1%

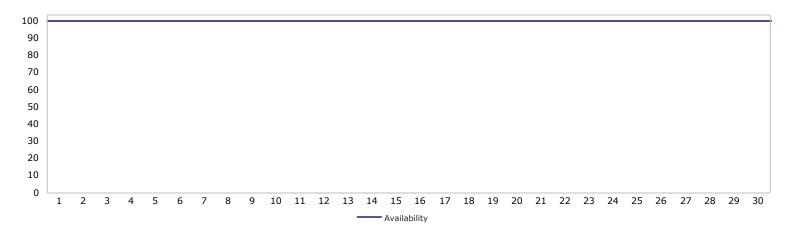
Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7%



11 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Kuala Lumpur

Availability: 100.0%

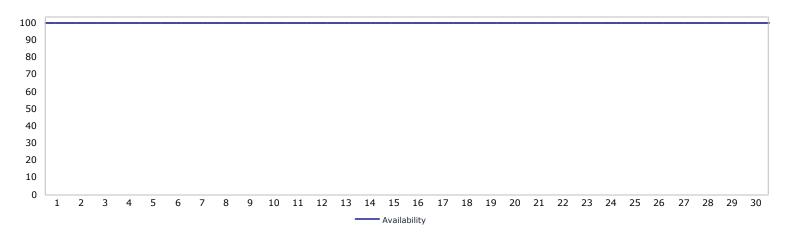
Technology: IPME, Speed: 6,000 Kbps, SLG: 99.7%

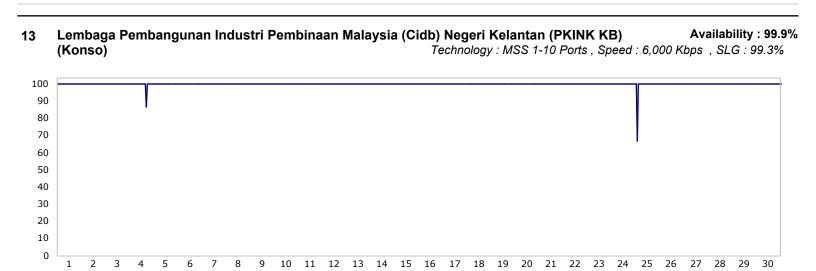


12 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Johor

Availability: 100.0%

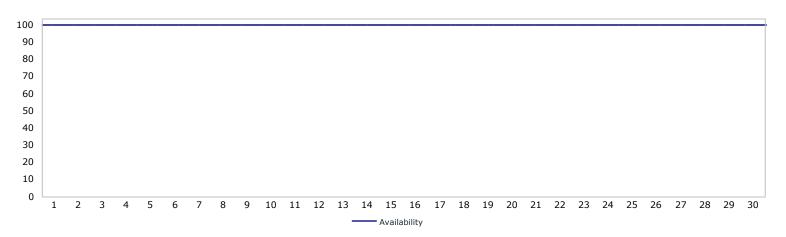
Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7%





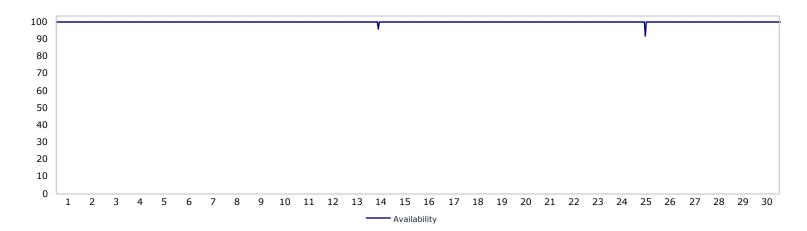
14 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perak (KWSP Ipoh) Availability: 100.0% (Konso) Technology: MSS 1-10 Ports, Speed: 7,000 Kbps, SLG: 99.3%

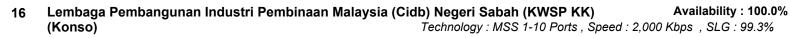
- Availability

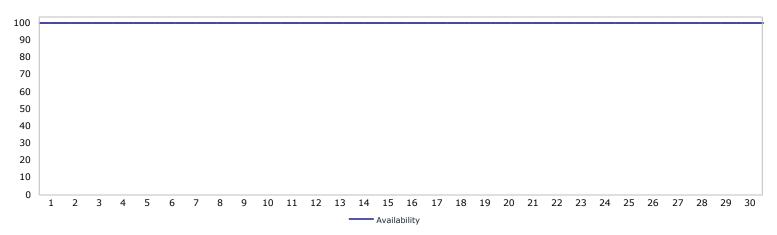


15 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perlis Availability : 100.0%

Technology : IPME , Speed : 2,000 Kbps , SLG : 99.7%



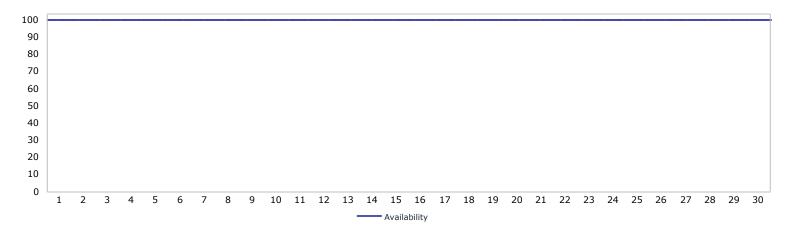




17 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sarawak

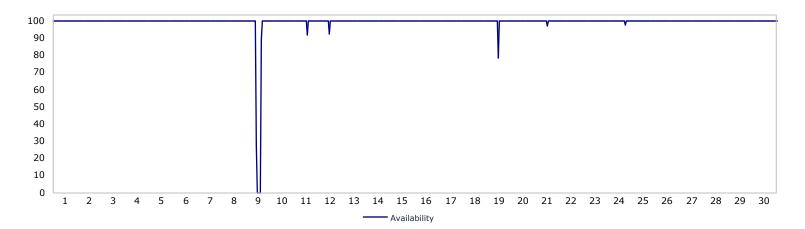
Availability: 100.0%

Technology: IPME, Speed: 6,000 Kbps, SLG: 99.7%



18 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Selangor Availability : 99.3%

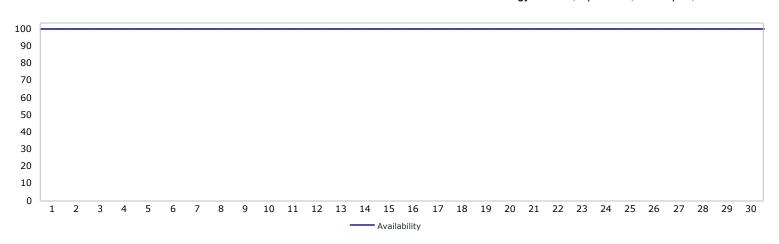
Technology : IPME , Speed : 6,000 Kbps , SLG : 99.7%



19 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sembilan

Availability: 100.0%

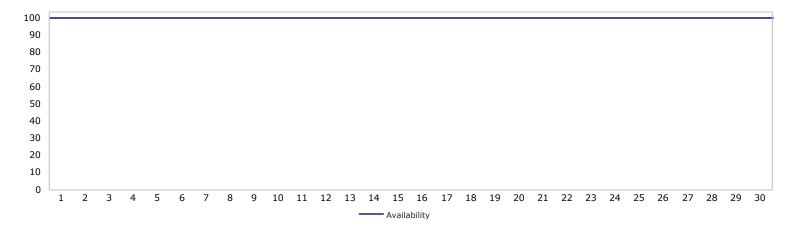
Technology: IPME, Speed: 6,000 Kbps, SLG: 99.7%



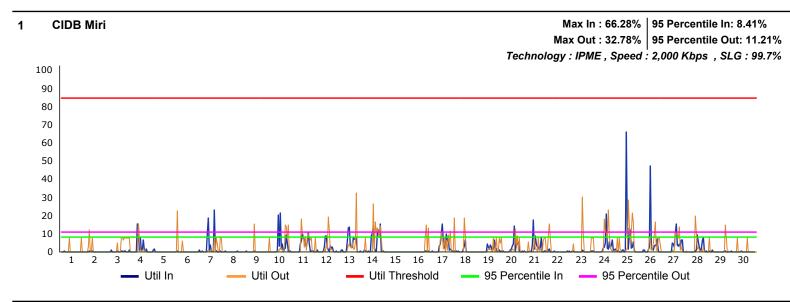
20 Sektor Teknologi, Lembaga Pembangunan Industri Pembinaan Malaysia

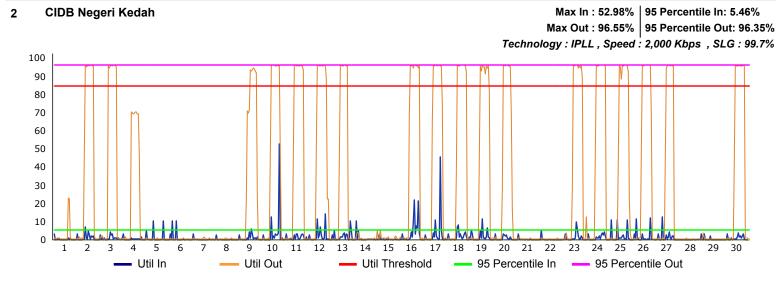
Availability: 100.0%

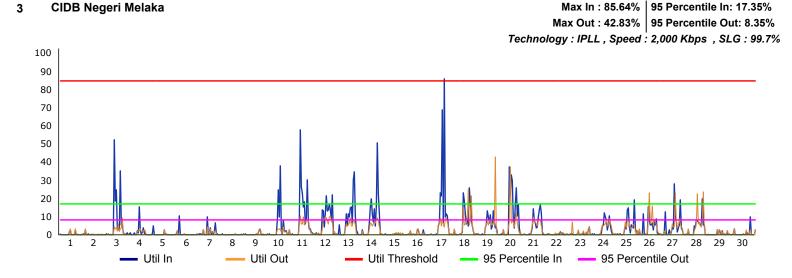
Technology: IPME, Speed: 6,000 Kbps, SLG: 99.7%



Utilization Graph for June 2019







CIDB Negeri Pahang Max In: 44.30% 95 Percentile In: 12.85% Max Out : 67.35% | 95 Percentile Out: 4.27% Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7% **Util Out** Util In **Util Threshold** 95 Percentile In 95 Percentile Out

CIDB Negeri Pulau Pinang

Max In: 80.03%

95 Percentile In: 47.16%

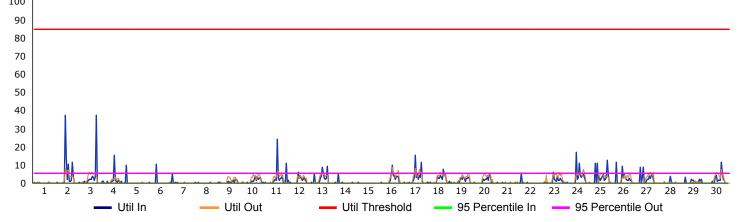
Util In **Util Out Util Threshold** 95 Percentile In - 95 Percentile Out

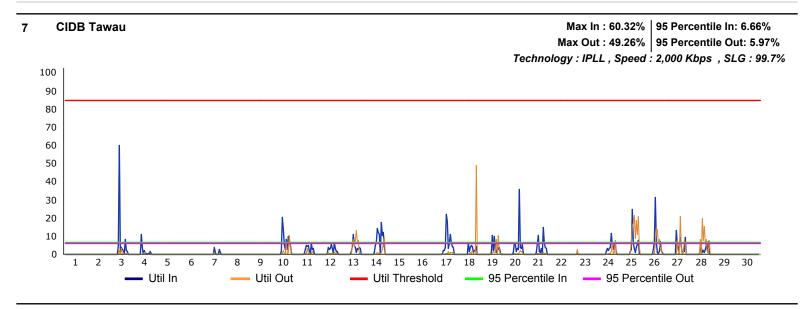
CIDB Negeri Terengganu

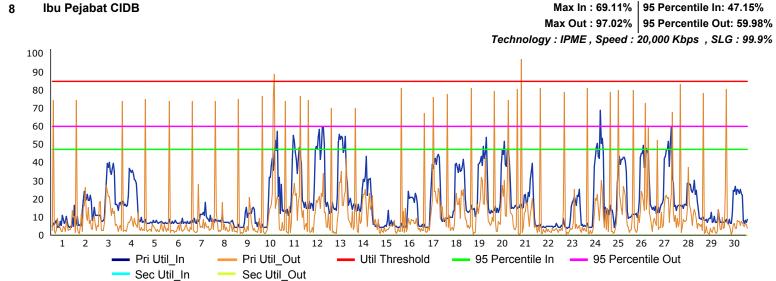
Max In: 37.69% | 95 Percentile In: 5.39%

Max Out: 8.73% | 95 Percentile Out: 5.58%

Technology: IPLL, Speed: 2,000 Kbps, SLG: 99.7%



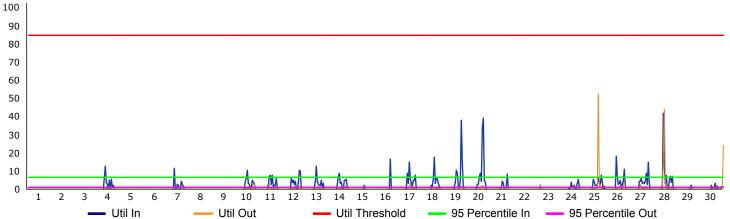




9 Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Bintulu

Max In : 41.79% | 95 Percentile In: 6.77% Max Out : 52.27% | 95 Percentile Out: 1.35%

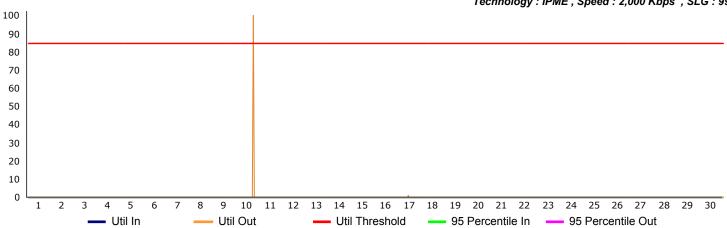
Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7%



Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Cawangan Sandakan 10

Max In: 0.19% 95 Percentile In: 0.08% Max Out : 100.00% 95 Percentile Out: 0.06%

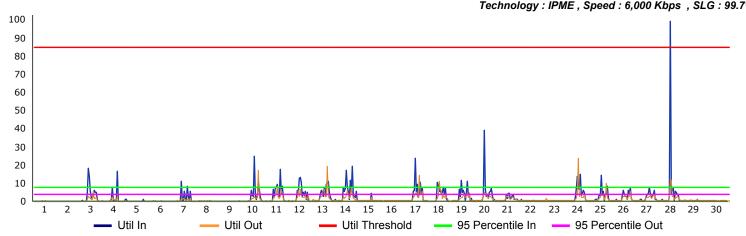
Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7%



Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Kuala Lumpur 11

95 Percentile In: 7.83% Max In: 99.11% Max Out : 23.53% | 95 Percentile Out: 3.88%

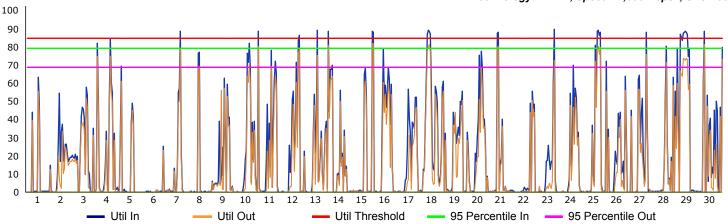
Technology: IPME, Speed: 6,000 Kbps, SLG: 99.7%

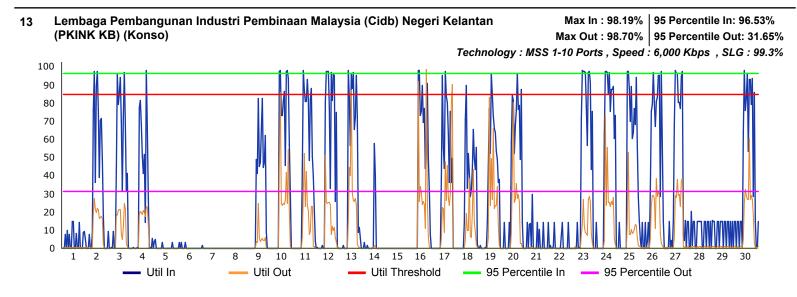


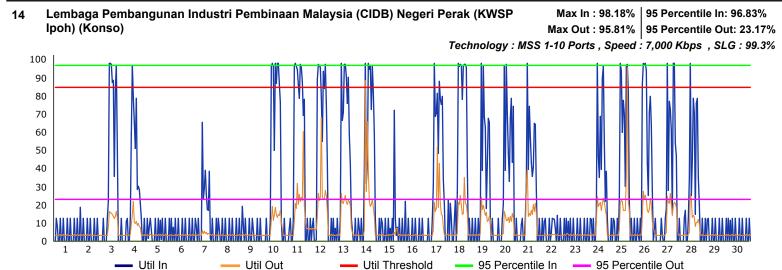
Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Johor 12

Max In: 89.49% | 95 Percentile In: 79.26% Max Out: 81.97% | 95 Percentile Out: 68.93%

Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7%





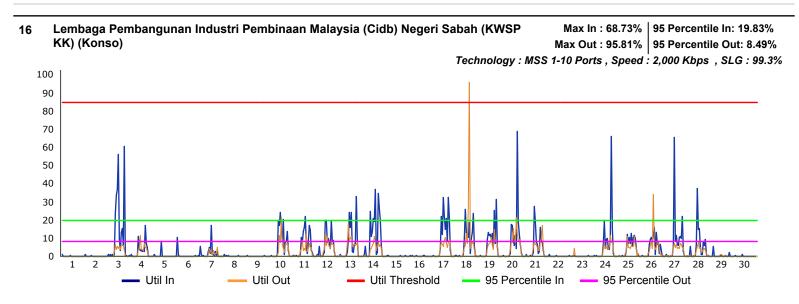


Max Out : 95.81% 95 Percentile Out: 77.18% Technology: IPME, Speed: 2,000 Kbps, SLG: 99.7% **Util Out** 95 Percentile Out Util In Util Threshold 95 Percentile In

Max In: 98.96%

95 Percentile In: 97.45%

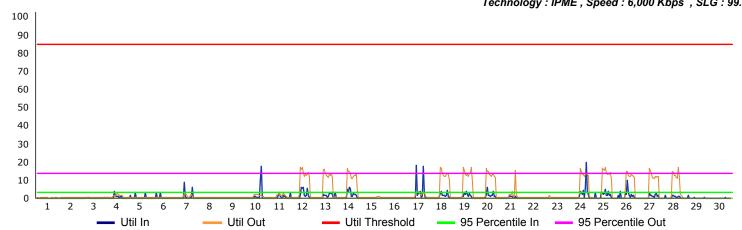
Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Perlis

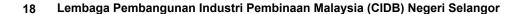


Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sarawak 17

95 Percentile In: 3.56% Max In: 19.79% Max Out: 17.43% | 95 Percentile Out: 14.09%

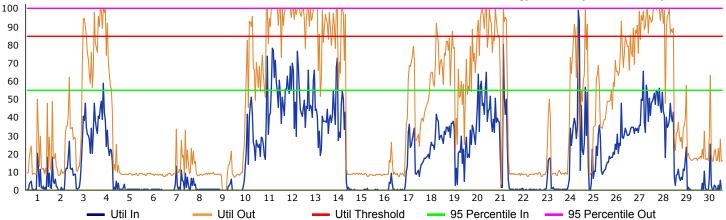
Technology: IPME, Speed: 6,000 Kbps, SLG: 99.7%





Max In: 98.84% 95 Percentile In: 55.30% Max Out: 100.00% 95 Percentile Out: 100.00%

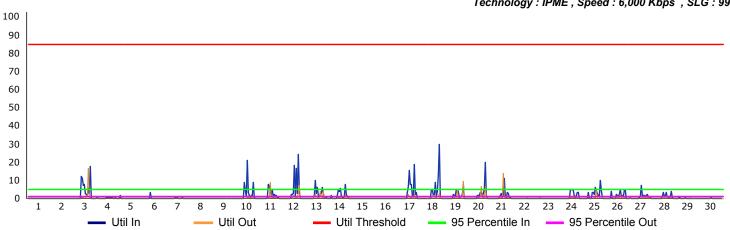
Technology: IPME, Speed: 6,000 Kbps, SLG: 99.7%



Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) Negeri Sembilan 19

Max In: 29.73% 95 Percentile In: 5.08% Max Out : 16.77% | 95 Percentile Out: 1.13%

Technology: IPME, Speed: 6,000 Kbps, SLG: 99.7%



Sektor Teknologi, Lembaga Pembangunan Industri Pembinaan Malaysia 20

Max In: 13.87% | 95 Percentile In: 5.70%

Max Out: 75.57% | 95 Percentile Out: 46.41%

