

DESCRIPTION				JAZZ	TELENOR	UFONE	ZONG
Ookla Tests	THROUGHPUT TEST	DOWNLOAD	ATTEMPTS	8309	8284	8308	8295
			SPEED (Mbps)	28.361	4.916	11.909	23.291
		UPLOAD	ATTEMPTS	8309	8284	8308	8295
			SPEED (Mbps)	21.793	5.827	20.066	20.24
	PING TEST	ATTEMPTS		8309	8284	8308	8295
		LATENCY (msec)		34.3	43.3	42	52.5

Table 4.8: Ookla Tests Statistics

OOKLA DOWNLOAD THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE								
Cities	Download Throughput (Mbps)				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
UPPER DIR	10.86	3.16	11.36	17.84	Third	Fourth	Second	First
LARKANA	30.20	7.20	8.90	20.00	First	Fourth	Third	Second
LAHORE	23.15	10.88	16.15	32.24	Second	Fourth	Third	First
KHAIRPUR	24.49	15.50	8.86	32.00	Second	Third	Fourth	First
SHAHKOT	30.09	10.52	21.96	23.18	First	Fourth	Third	Second
GUJAR KHAN	32.95	2.13	9.83	17.98	First	Fourth	Third	Second
WAH/ TAXILA	29.45	2.21	17.33	21.65	First	Fourth	Third	Second
RAWALPINDI	33.39	3.96	9.43	17.54	First	Fourth	Third	Second
BUNER	40.78	2.42	5.47	22.75	First	Fourth	Third	Second
JACOBABAD	33.4	12.3	11.06	33.1	First	Third	Fourth	Second
SUJAWAL	48.46	4.29	19.02	40.88	First	Fourth	Third	Second
MITHI	46.04	3.72	13.64	18.93	First	Fourth	Third	Second
ABBOTTABAD	14.56	3.39	6.59	16.77	Second	Fourth	Third	First
SWABI	31.27	1.89	7.18	19.92	First	Fourth	Third	Second
MURIDKE	11.11	22.31	14.93	31.33	Fourth	Second	Third	First

Table 4.9: Ookla Download Throughput in Technology Auto Detect Mode

OOKLA UPLOAD THROUGHPUT IN TECHNOLOGY AUTO DETECT MODE								
Cities	Upload Throughput (Kbps)				Operator Position			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
UPPER DIR	11065	3282	19139	14674	Third	Fourth	First	Second
LARKANA	3925	600	2875	2688	First	Fourth	Second	Third
LAHORE	25093	9296	24083	22899	First	Fourth	Second	Third
KHAIRPUR	3300	713	2325	3675	Second	Fourth	Third	First
SHAHKOT	33617	5476	24671	30238	First	Fourth	Third	Second
GUJAR KHAN	30928	5316	22251	13600	First	Fourth	Second	Third
WAH/ TAXILA	22982	6303	23838	18667	Second	Fourth	First	Third
RAWALPINDI	21782	5885	17791	13816	First	Fourth	Second	Third
BUNER	13262	7324	16522	13043	Second	Fourth	First	Third
JACOBABAD	2725	600	2738	4475	Third	Fourth	Second	First
SUJAWAL	25136	8283	14910	32259	Second	Fourth	Third	First
MITHI	15552	5947	25324	9073	Second	Fourth	First	Third
ABBOTTABAD	15691	4040	11510	15064	First	Fourth	Third	Second
SWABI	21012	4590	18413	23622	Second	Fourth	Third	First
MURIDKE	9286	31008	24276	30220	Fourth	First	Third	Second

Table 4.10: Ookla Upload Throughput in Technology Auto Detect Mode

OOKLA LATENCY IN TECHNOLOGY AUTO DETECT MODE								
City	Latency [milliseconds]				Compliant (Yes/No)			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
UPPER DIR	42	55	74	90	Yes	Yes	Yes	No
LARKANA	26	51	34	32	Yes	Yes	Yes	Yes
LAHORE	33	20	36	18	Yes	Yes	Yes	Yes
KHAIRPUR	25	57	33	30	Yes	Yes	Yes	Yes
SHAHKOT	20	25	39	33	Yes	Yes	Yes	Yes
GUJAR KHAN	20	44	23	71	Yes	Yes	Yes	Yes
WAH/ TAXILA	21	33	22	32	Yes	Yes	Yes	Yes
RAWALPINDI	21	30	27	46	Yes	Yes	Yes	Yes
BUNER	67	43	41	81	Yes	Yes	Yes	No
JACOBABAD	35	39	41	34	Yes	Yes	Yes	Yes
SUJAWAL	24	26	25	24	Yes	Yes	Yes	Yes
MITHI	26	36	29	34	Yes	Yes	Yes	Yes
ABBOTTABAD	37	74	54	84	Yes	Yes	Yes	No
SWABI	32	56	48	39	Yes	Yes	Yes	Yes
MURIDKE	21	56	40	19	Yes	Yes	Yes	Yes

Table 4.11: Ookla Latency in Technology Auto Detect Mode < 75 Milliseconds

4.6. Overall results of Download and Upload Throughputs in Capacity Tests, Data Transfer Tests, Latency (overall) and Latency (Per Web Page), can be seen in attached graphs.

