

3.	Ufone	8	Lahore to Gujranwala, Lahore to Kasur, Lahore to Faisalabad, Peshawar to Swabi, Peshawar to Haripur, Peshawar to Abbottabad, Quetta to Pishin & Quetta to Sibbi
4.	ZonG	12	Lahore to Gujranwala, Lahore to Kasur, Lahore to Faisalabad, Multan to Rahim Yar Khan, Peshawar to Kohat, Peshawar to Swabi, Peshawar to Haripur, Peshawar to Abbottabad, Quetta to Pishin, Quetta to Sibbi, Quetta to Noshki, Quetta to Khuzdar

**Table 5.7: Compliance of Mean Opinion Score > 3**

- ii. **NON-COMPLIANCE.** The Motorways / Highways / Inter Cities Roads where CMOs remained non-compliant are mentioned in **Table 5.8: Non-Compliance of Mean Opinion Score > 3.**

S. #.	Operator	Motorways / Highways / Inter Cities Roads	
		Count	Names
1.	Jazz	7	Lahore to Gujranwala, Multan to Rahim Yar Khan, Peshawar to Kohat, Peshawar to Swabi, Quetta to Sibbi, Quetta to Noshki & Quetta to Khuzdar
2.	Telenor	5	Lahore to Faisalabad, Peshawar to Kohat, Peshawar to Haripur, Peshawar to Abbottabad & Quetta to Noshki
3.	Ufone	4	Multan to Rahim Yar Khan, Peshawar to Kohat, Quetta to Noshki & Quetta to Khuzdar

**Table 5.8: Non-Compliance of Mean Opinion Score > 3**

- f. **INTER SYSTEM HANDOVER OF CIRCUIT SWITCHED VOICE.** The analysis of QoS KPI **Inter System Handover of Circuit Switched Voice > 98%** in all 12 x surveyed Motorways / Highways / Inter Cities Roads revealed following:

- i. **COMPLIANCE.** The Motorways / Highways / Inter Cities Roads where CMOs remained compliant are mentioned in **Table 5.9: ISHO for Circuit Switched Voice  $\geq$  98%.**

S. #.	Operator	Motorways / Highways / Inter Cities Roads	
		Count	Names
1.	Jazz	10	Lahore to Gujranwala, Lahore to Kasur, Lahore to Faisalabad, Multan to Rahim Yar Khan, Peshawar to Swabi, Peshawar to Haripur, Quetta to Pishin, Quetta to Sibbi, Quetta to Noshki & Quetta to Khuzdar
2.	Telenor	11	Lahore to Gujranwala, Lahore to Kasur, Multan to Rahim Yar Khan, Peshawar to Kohat, Peshawar to Swabi, Peshawar to Haripur, Peshawar to Abbottabad, Quetta to Pishin, Quetta to Sibbi, Quetta to Noshki & Quetta to Khuzdar
3.	Ufone	7	Lahore to Gujranwala, Lahore to Kasur, Multan to Rahim Yar Khan, Peshawar to Kohat, Quetta to Pishin, Quetta to Sibbi & Quetta to Khuzdar
4.	ZonG	12	Lahore to Gujranwala, Lahore to Kasur, Lahore to Faisalabad, Multan to Rahim Yar Khan, Peshawar to Kohat, Peshawar to Swabi, Peshawar to Haripur, Peshawar to Abbottabad, Quetta to Pishin, Quetta to Sibbi, Quetta to Noshki, Quetta to Khuzdar

**Table 5.9: ISHO for Circuit Switched Voice  $\geq$  98%.**

- ii. **NON-COMPLIANCE.** The Motorways / Highways / Inter Cities Roads where CMOs remained non-compliant are mentioned in **Table 5.10: ISHO for Circuit Switched Voice  $\geq 98\%$ .**

S. #.	Operator	Motorways / Highways / Inter Cities Roads	
		Count	Names
1.	Jazz	2	Peshawar to Kohat & Peshawar to Abbottabad,
2.	Telenor	1	Lahore to Faisalabad
3.	Ufone	5	Lahore to Faisalabad, Peshawar to Swabi, Peshawar to Haripur, Peshawar to Abbottabad & Quetta to Noshki

**Table 5.10: ISHO for Circuit Switched Voice  $\geq 98\%$ .**

- g. **RAB SETUP SUCCESS RATE.** Except Ufone at Pishin, all CMOs have achieved the QoS KPI **RAB Setup Success Rate  $> 98\%$**  in all surveyed Motorways / Highways / Inter Cities Roads.

## SMS SERVICE

6.1. 2 x QoS KPIs i.e. “SMS Success Rate” and “SMS End to End Delivery Time” have been measured and the results are as under:

- a. **SMS SUCCESS RATE.** The analysis of QoS KPI **SMS Success Rate of 99%** in all the 12 x surveyed Motorways / Highways / Inter Cities Roads revealed following:
- i. **COMPLIANCE.** The Motorways / Highways / Inter Cities Roads where CMOs remained compliant are mentioned in **Table 6.1: Compliance of SMS Success Rate  $> 99\%$ .**

S. #.	Operator	Motorways / Highways / Inter Cities Roads	
		Count	Names
1.	Jazz	2	Lahore to Gujranwala & Quetta to Pishin
2.	Telenor	4	Lahore to Gujranwala, Lahore to Kasur, Lahore to Faisalabad & Quetta to Pishin,
3.	Ufone	3	Lahore to Gujranwala, Lahore to Faisalabad & Quetta to Pishin
4.	ZonG	6	Lahore to Gujranwala, Lahore to Kasur, Lahore to Faisalabad, Multan to Rahim Yar Khan, Peshawar to Haripur & Quetta to Pishin

**Table 6.1: Compliance of SMS Success Rate  $> 99\%$**

- ii. **NON-COMPLIANCE.** The Motorways / Highways / Inter Cities Roads where CMOs remained non-compliant are mentioned in **Table 6.2: Non-Compliance of SMS Success Rate  $> 99\%$ .**

S. #.	Operator	Motorways / Highways / Inter Cities Roads	
		Count	Names
1.	Jazz	10	Lahore to Kasur, Lahore to Faisalabad, Multan to Rahim Yar Khan, Peshawar to Kohat, Peshawar to Swabi, Peshawar to Haripur, Peshawar to Abbottabad, Quetta to Sibbi, Quetta to Noshki & Quetta to Khuzdar
2.	Telenor	8	Multan to Rahim Yar Khan, Peshawar to Kohat, Peshawar to Swabi, Peshawar to Haripur, Peshawar to Abbottabad, Quetta to Sibbi, Quetta to Noshki & Quetta to Khuzdar