

**DESIGN AND ANALYSIS OF PROPOSED QUALITY
BUS SERVICE FOR ISLAMABAD AND ITS
INTEGRATION WITH EXISTING TRANSIT SYSTEM**

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A thesis submitted in partial fulfillment of the

The requirements for the degree of

Master of Science

In

Transportation Engineering



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THESIS ACCEPTANCE CERTIFICATE

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Submitted by

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**DEDICATED
TO
MY FAMILY, FRIENDS & TEACHERS**

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List of Acronyms

ADB	–	Asian Development Bank
BRT	–	Bus Rapid Transit
CBD	–	Central Business District
CDA	–	Capital Development Authority
CNG	–	Compressed Natural Gas
GT	–	Grand Trunk Road
HCM	–	Highway Capacity Manual
ITA	–	Islamabad Transport Authority
NHA	–	National Highway Authority
NIT	–	National Institute of Transportation
MRT	–	Mass Rapid Transit
QBS	–	Quality Bus Service
RIMA	–	Rawalpindi Islamabad Metropolitan Area
ROW	–	Right of Way
RTA	–	Regional Transport Authority
TCRP	–	Transit Cooperative Research Program
TRB	–	Transport Research Board
WB	–	World Bank

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ABSTRACT

Population growth and rapid urbanization has raised many challenges regarding mobility in inter- and intra-major cities of Pakistan. Islamabad, being capital of the country, has faced congestion issues along with poor service and infrastructure facilities of public transport. In this study, we have proposed an efficient, safe, and reliable mode of transit to the commuters. The selection of two corridors have done on basis of previous preliminary studies carried out on major arterials that run through most densely populated areas of the twin cities (i.e., Rawalpindi, and Islamabad). The ridership data has collected through field survey and local authorities have provided data about service, scheduling, and infrastructure details. It assists in estimation of ridership at peak hours. Our analysis has supported a significant reduction in congestion from category “E” be mitigated to “A” level of service (LOS) in 5 minutes time headway. Therefore, it states that the proposed design would be beneficial in providing comfort, safety, and convenience in accordance with the international standards.

Keywords: Public Transport, Feeder Routes, Time Headway, Level of Service
Ridership

INTRODUCTION

1.1 Background

The rapid increase in population and urbanization in the metropolitan area of Islamabad and Rawalpindi has brought challenges of logistics and mobility to its users (Gakenheimer, 1999). Islamabad, being capital city of Pakistan, has been facing several congestion related problems, and local transport system (e.g. inefficient routes, insufficient buses and vans, and existing modes of transport inaccessibility at large. Current public transport service and infrastructure has not able to attract private mode users. Additionally, public mode users have faced with numerous issues regarding comfort, convenience, and safety (Irfan, 2013). Therefore, not only the demand has compromised but have outcome in spatial and economic constraints implying on society of this city.

Currently, there are too conservative approaches used in urban transport planning, and no reliable data available to develop a sustainable transport network (GlobalWorks International Corporation and IPDF, 2012). These issues affect the low and middle-income countries on micro- and macro-scale of the society. Therefore, a system improvement should be on top priority for any country at national and local governmental levels (Adeel, Anthony, & Zhang, 2014). However, recent projects of bus rapid transit (BRTs) and metro lines, not to this city only but to all major urban units of metropolitan characteristics, have shown that the public sector has focused and stepped towards achieving sustainable objectives especially since last decade.

We have carried our study to propose a service that would offer cost effective, safe, reliable, and efficient mode to the commuters. The government has initiated BRTs schemes to reduce congestion. In our study, we have utilized existing BRTs to propose a framework for estimating optimum potential users and how it best suits the current public transport system. We have used data of current transit system superimposed on proposed design parameters. This will assist us in determining a service that serves as a best possible and efficient way to reduce congestion having this city characteristic as previously mentioned.

The proposed service is regarding provision of frequently operated local buses having quality of comfortability, and accessibility. Our objective is focused on comparative study thus there is a need to further investigate its' benefit in terms of saving money from travel time, travel cost, vehicle operating cost, and safety cost impacts. However, various studies and literature at global level has supported that the cutting down on travel time with improved connectivity and ensuring safety and accessibility simultaneously would be beneficial in modal shift. However, a value to money to treasury depends upon the users' acceptance to that service which varies from people to people belonging to areas of various characteristics and different social norms of society.

Islamabad Transport Authority (ITA) is primarily responsible for regulating the routes in the city. This includes, defining of routes, issuing of route permits to transporters, negotiating and regulation fares etc. The Authority is supposed to have complete data on the attributes of these routes (e.g. total number of active, functional and defunct routes, length and alignment, number of vehicles operating, scheduling, and headway, total daily ridership, number of formal/approved stations, and

information). Currently, only the data regarding fares and total number of routes has been provided by ITA.

Highway Capacity Manual (HCM) 2000, a publication of the National Research Board serves a guideline for this study presenting various models, equations and procedures relating to the design of an express bus service. HCM also defines and explains many related concepts such as bus running time, dwell time and time spent at intersections, and capacity of design vehicle etc. HCM-2000 defines that the best way to determine the Bus running time is to measure it directly i.e. while riding it for the entire length of the corridor. However, no bus service of comparable parameters is currently running on the corridor therefore, we preferred to calculate the running time as per equations given in HCM-2000.

Similarly, the design bus is selected on the basis of vehicle capacity which satisfies several primary considerations highlighted by HCM. It involves the following considerations: number of prospective riders for each trip, geometric parametric of the loading bays, storage facilities, bus stops and stations, geometric parameters of the corridor such as horizontal curve, available space of turning points and u-turns at the termination points). The design vehicle has to navigate through existing fleet composition utilized by transit authorities.

A 12 meter long solid body bus is selected for as design vehicle with the total capacity (standing and seated) to hold 83 passengers. Reasons cited for the selected of design vehicle are that an 83 person capacity bus can satisfy the need of prospective ridership with ample headway and frequency. Buses of same lengths are already being operated on the corridor by different governmental and private organization thus, design parameters of the corridor are sufficient to ensure ease in

navigation of design vehicle. Another reason is that Lahore mass transit authority operates same 12-meters long frame buses on several feeder routes, thus providing familiarity and experience with fleet maintenance and operation. The following table 1.1 presents the attributes of the proposed Design vehicle. (Cats & Gluck, 2019)

Table 1.1: Vehicle-specific characteristics and operational cost components for the three different vehicle types considers

Variable	Minibus	Normal bus	Articulated bus
Seats capacity [passengers]	20	42	53
Total capacity [passengers]	35	83	158
Length [meters]	8	12	18
Number of front/rear doors	1/1	1/1	1/2
Boarding time per passenger [seconds]	2.5	2	2
Alighting time per passenger [seconds]	1.5	1	0.5
Time-dependent cost, β^t [€/vehicle-hour]	48	48	48
Additional time-dependent cost when vehicle stands idle, β_κ^s [€/vehicle-hour]	2	2	2
Fixed costs, β_κ^f [€/vehicle-hour]	4.46	4.91	6.62
Distance-dependent cost, β_κ^d [€/vehicle-km]	0.37	0.58	0.93

1.2 Problem Statement

Currently, private operators have been providing urban transport services. The vehicles they operate are usually low-cost vehicles that provides minimum facilities to users. The Government has failed in controlling not only fare and route licensing and imposing standardized vehicles, but they have also failed to monitor the quality and the efficiency of the public transport system (Imran, 2010). All of these factors have contributed to deregulation of the public transport which is worsening with every passing day since early 80s.

There is an abrupt increase in ridership of public transport over couple of years since the inauguration of the metro/BRT line. Thus, the current mass transit system of Islamabad mostly comprising of minibuses /vans, is inefficient and incapable of handling present demand. The common problems associated with it are an unreliable service, excessive delays, irregular frequency, poor route coverage, low profitability, poor quality vehicles, poor safety standards, and environmentally

hazardous (pollution caused by vehicular emissions), etc. Moreover, the need of public transport has increased due to the various reasons and among them the most significant factors that contribute are joblessness, financial difficulties, inflation in petroleum /gas products, and congestion during peak times. Additionally, a safety, privacy and security problem faced by women and children add further miseries. Vehicles characteristics such as low cost, small capacity, lesser service quality especially contribute several challenges to women, children, elderly, and disabled users (Scandiaconsult & Contrans, 1995).

In this study, the data we have required is not just confined to government agencies but to private sector as well. Another advantage of proposed route could be assistance in mitigating poor air quality and revitalization of current public transport.

1.3 Research Objectives

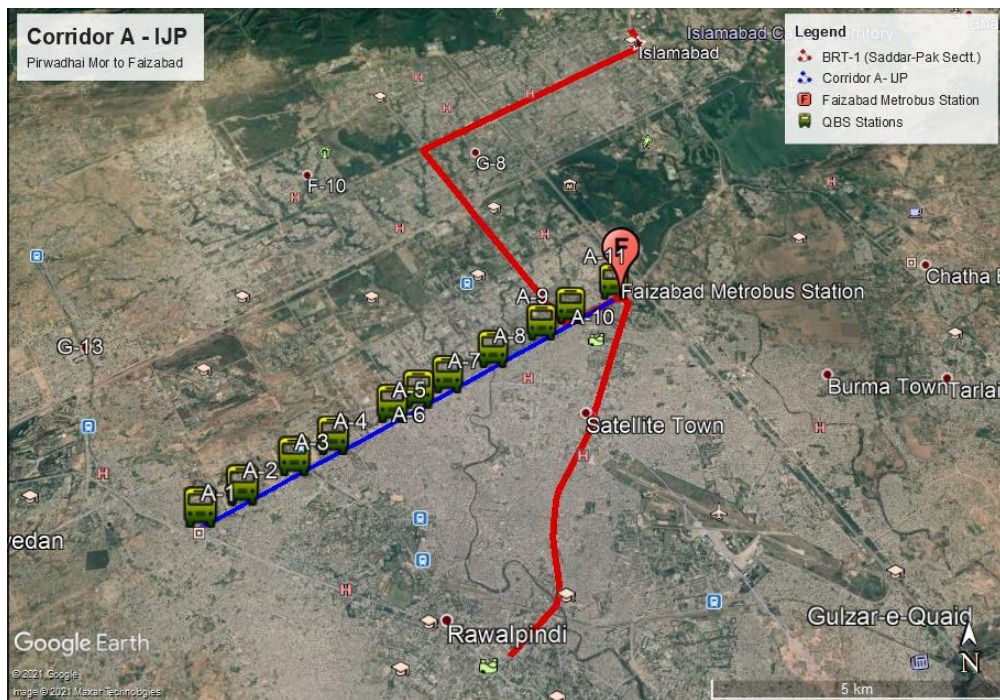
- Identify shortcomings / weaknesses of current transport system.
- Ridership data collection on proposed corridors
- Analyze on basis of cycle time, number of buses, time headway, and LOS on proposed stations,

1.4 Study Area

The Rawalpindi-Islamabad Metropolitan Area (RIMA) is the 4th largest metropolitan in the country housing a total of 3.89 million residents. (Provisional Report of 2017 Census of Pakistan). The area of study within Islamabad includes low to middle income areas (e.g. Zones I, IV and V) and different localities of Rawalpindi. The previous various studies of preliminary level have identified two major corridors (Irfan, 2013). We have used the same corridors in pursuing our study objectives and are discussed in the following sections.

- **Corridor A- (IJP)**

This corridor serves as a major boundary of the two cities and functions as a major arterial connecting GT Road (N-5) with Faizabad. **Zone I** of Islamabad is located on the northern side of the corridor whereas several localities and developments are situated on the southern side as Rawalpindi is a typical example of mix use, high density urban developments. The major areas in Rawalpindi situated in the corridor’s vicinity are Westridge 3, Pirwidhai, Pindora, and Faizabad. Out of the proposed 11 Stations, analysis will be done on 3 Major stations (Pindora, 9th Avenue, Faizabad).

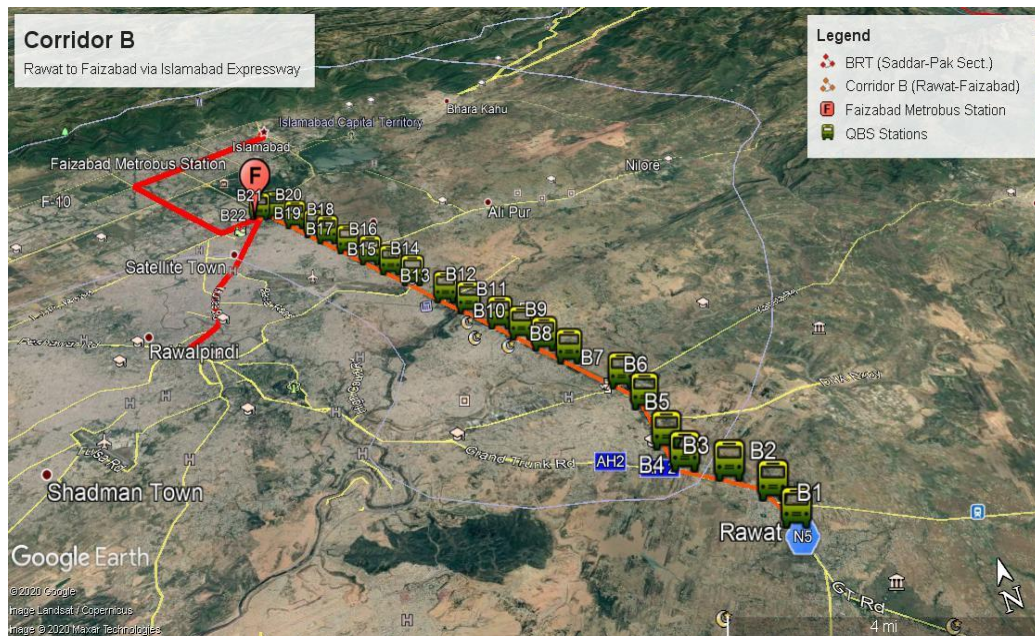


Source: Google Earth

Figure 1.1: Corridor A - IJP

- **Corridor B- Islamabad Expressway**

This corridor serves as another major arterial of the twin cities connecting the capital at zero-point, Srinagar Highway with the GT Road (N-5) at Rawat. This corridor serves Zones IV, V of Islamabad and numerous new developments in Rawalpindi on either ends of the highway. The major developments include Rawalpindi-Chaklala Cantonement, Sohan, Khanna, Koral town/Ghauri Town, Fizaia Colony, PWD housing society, Bahria Town, Navel Anchorage, and DHA respectively. Out of the proposed 22 Stations, analysis will be done on 3 Major stations (Faizabad, Khanna, Rawat).



Source: Google Earth

Figure 1.2: Corridor B - Islamabad Expressway

In secondary data, a survey has conducted to get an information regarding various attributes (e.g. ridership, and time pattern) on system network. The primary objective of this survey was to get a first-hand idea of the prevailing ground conditions in the proposed/selected corridors for the QBS. This included getting reliable information regarding the proposed corridor. The information collected was

then used to define the scope, scale and strategy to carry out further data collection. The survey samples are attached as Appendix – II.

Identifying Stations

Criteria for the selection of location and number of proposed stations in the subject corridors was that the stations should be proposed at a distance ranging from 500 m to 1.35 km. Thus, passenger will have to negotiate a max walking distance of 600m. 500m-600m walking distance is considered feasible, given that the overall walking environment is feasible. (Tabassum, Tanaka , Nakamura, & Ryo, 2017). The stations should be proposed at a distance ranging from 500 m to 1.35 km. Thus, passenger will have to negotiate a max walking distance of 600m. 500m-600m walking distance is considered feasible, given that the overall walking environment is feasible. (Tabassum, Tanaka , Nakamura, & Ryo, 2017). In Lahore Metro, Islamabad Metro, and Feeder service in Lahore Mass transit system have used similar distances between stations.

1.5 Organization of the Thesis

The first chapter consists of the study's background, objectives of the research, the problem statement and area of study. We have discussed various past studies, reports and research publications nationally and internationally in literature review. The methodology has been explained in Chapter 3 which is followed by presenting results and its' discussion as Chapter 4. Based on results and discussion we have produced conclusions in Chapter 5.

LITERATURE REVIEW

(Chriqui & Robillard, 1975) proposed a route that reflects the characteristics of passenger behavior. The route specifically deals with the behavior of the passengers with respect to the access of mass transit systems. It further sheds light on the preferences of passengers when it comes to ingress and egress points of a route/corridor. This study helps analyze passenger perceptives of any proposed bus route.

(Nguyen & Pallottino, 1988) presented a roadmap for an alternative selection strategy for existing routes. The study identifies steps that guide one through the process of alternate route selection. This is helpful in selection or design of new routes that caters to the need of existing routes while also provide additional benefits when compared with that of existing routes.

(Kuah & Perl, 1987) proposed an optimization method for designing a shuttle system based on the size of the fleet, and they determined the optimal path of a unified shuttle system. A shuttle service can also be designated as a feeder bus service with the primary goal of improving the accessibility of a mass transit system. The proposed method provides guidance on selection of an optimal route/corridor that not only improves the accessibility of the existing mass transit system, but also helps in the selection/design of an optimum fleet solution.

(Chang & Schonfeld, 1991) proposed a shuttle alignment based on a rectangular area and suggested that many-to-one demand mode is more flexible. The study proposes an alignment of feeder bus service/shuttle service that connects

multiple trip generation areas to one major demand/trip attractor point/areas (CBD). It suggests that such an alignment provides an efficient and flexible way to deal with the accessibility issues.

(Kurauchi, Bell, & Schmocker, 2003) discussed the application of the Markov method in an optimal path selection process based on a stochastic and deterministic user equilibrium model. It suggested that utilization of Markov method might be helpful in the selection of an optimal service path for shuttle and feeder bus. The inputs for the method were taken from stochastic as well as deterministic models. This further helped to cater for the uncertainties in the data, especially when it comes to dealing with passenger/commuter behaviors.

(Fan & Machemehl, 2006) analyzed the potential characteristics of bus path optimization under fluctuating demand conditions and then proposed a nonlinear mixed integer programming model. The study deals with the conditions where the ridership fluctuates over a longer period or even a short period of time. Areas where ridership demand ratio between peak and off-peak hour is significant or fluctuates invariably are a subject to this study. Furthermore, the study also deals with the fluctuation in ridership demand over a long period of time due to factors such as public holidays, seasonal and sociopolitical changes. The optimized solution thus suggests a nonlinear mixed integer programming model to cater for all the uncertainties and fluctuations.

(Ceder, 2009) presented potential demand indicators for shuttle buses and established models based on the maximization of indicators. The design of a shuttle bus service like any other service is based on the ridership demand. Most important part of this study was to identify the indicator of ridership demand and optimize them

to get the most accurate data. Based on such indicators that directly or indirectly help find the ridership demand, various mathematical model can be established to design an optimum service.

(Szeto & Wu, 2011) proposed an algorithm for a bus route design at Tin Shui in Hong Kong, using an optimization problem. The study utilized a combination of the genetic algorithm (that seeks with the best possible solution) and a neighborhood search investigation method. The method helped minimize the total travel time and dwell time. This was possible due to better location of passenger access points and optimal route alignment.

(Yan, Meng, Wang, & Guo, 2012) considered the bus schedule as a major factor in designing stable bus routes. The study, therefore, focused on exploring the optimum solution for the scheduling of fleet that will help design efficient transit routes. Monte Carlo simulation model was utilized while considering the intervention of multiple variables that affect the schedule of fleet. The model proposed stringent but robust plan to control the flow of fleet on a predetermine schedule. This model minimized probable variations in bus schedule time, this optimized the performance of any particular routes and in-turn improved its desirability.

(Wang & Qu, 2015) proposed a bus route design in rural areas and regional cities. This was necessary due the change in various factors such traffic environment and overall population behavior and transit trends between rural and urban areas. Since the rural areas have low population density, the areas are not well connected and public transport access scarce. The study proposed to device model to incorporate the regional/local bus service in such a manner that it must also act as a

feeder service. The resulting solution was an optimization model that minimizes the length of bus routes in rural area.

METHODOLOGY

The following is a framework outlines steps adopted in accomplishing this study.

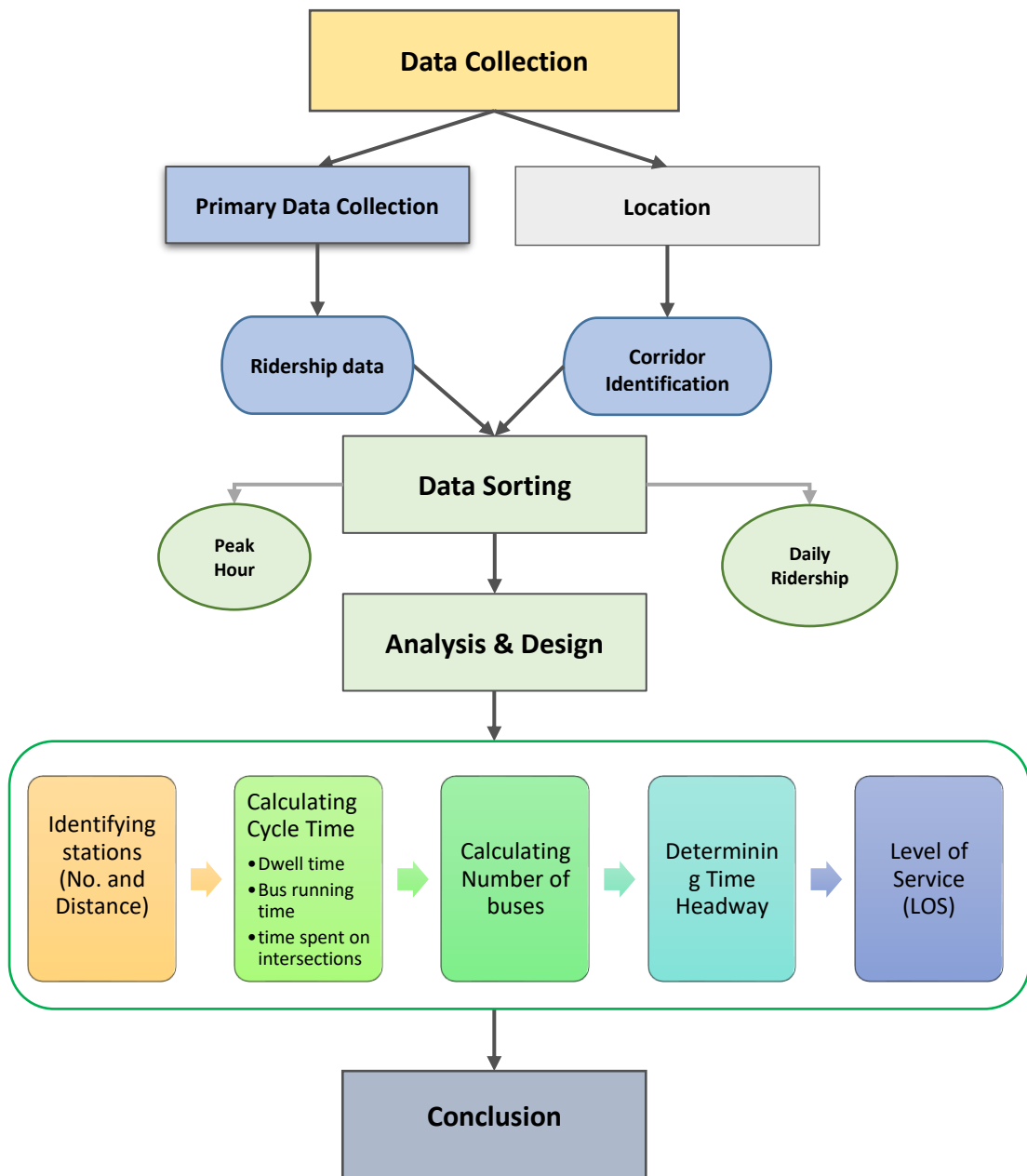


Figure 3.1: Methodology framework

We have extracted data from literature as well we filled survey. First, corridor identification regarding routes selection is based on previous studies conducted by CDA, RDA, NIT, and other sources as explained in literature review. The secondary dataset about the scheduling, infrastructure, ridership has been obtained from public sector agencies such as CDA and Islamabad Transport Authority (ITA). Based on our preliminary dataset, we have disintegrated them on basis of each route, and are attached as Appendix – III and Appendix – IV.

We have pursued further with only busies stations that have contributed with higher ridership statics during peak hours instead of 24 hours period. We have considered those stations as major stations. The sample size is comprised of 14 days (2 weeks) identifying trends over weekends, to weekdays. This has comprised of 10 weekdays (Monday to Friday) and 4 weekends (Saturday and Sunday). Based on our observations and trip generation patterns, we have selected morning peak as 7 am to 10am, and evening peak as 4pm to 7pm respectively. For direction purposes, we have used terms as “Up towards” and “Down from” in directionally distribute data from centre or CBD.

In survey template, the data is classified as Embarking, Disembarking, and Riding. On each station, data is sub-divided initially into 30- and 15-minutes interval to get the critical time within a peak and off-peak hour. It reflects us about the station capacity. The sample of the ridership survey form is attached as Appendix – I. In this study, we have selected two (2) major stations named as for each corridor. This has done based on criteria as explained in Chapter 1.

Calculating the travel time of Bus

We have calculated travel time using equation 3.1 below. It is based on the (Highway Capacity Manual (HCM), 2000).

$$\mathbf{Travel\ Time = Dwell\ time + Bus\ Running\ time + time\ spent\ at\ intersection} \quad \mathbf{Eq\ 3.1}$$

HCM identifies following equation 3.2 for the calculation of dwell time. The dwell time is calculated as follows.

$$\mathbf{t_d = P_a t_a + P_b t_b + t_{oc}} \quad \mathbf{Eq\ 3.2}$$

where

t_d	=	dwell time (s)
P_a	=	alighting passengers per bus through busiest door during peak 15 min (p)
t_a	=	Passenger alighting time (s/p)
P_b	=	Boarding passengers per bus through busiest door during peak 15 min (p)
t_b	=	Passenger boarding time (s/p)
t_{oc}	=	Door opening and closing time (s)

The bus running time is calculated using the equation 3.3 based on HCM-2000 below:

$$\mathbf{Bus\ Running\ time = \frac{Length\ of\ the\ corridor}{Bus\ Travel\ Speed\ (S_t)}} \quad \mathbf{Eq\ 3.3}$$

Bus travel Speed or “ S_t ” is the not an average expected speed of bus along the corridor, rather it involves various factors and sub factors to determine the travel of bus. It primarily involves the effect of traffic congestion and depletion in bus

speed due to bus stops. We used the following equation 3.4 from HCM-2000 to determine the S_t .

$$S_t = \left(\frac{60}{t_{r,0} + t_{r,1}} \right) f_s f_b \quad \text{Eq 3.4}$$

where,

- S_t = Bus travel speed (km/h)
- $t_{r,0}$ = Base bus running time (min/km)
- $t_{r,1}$ = Bus running time losses (min/km)
- f_s = skip-stop speed adjustment factor
- f_b = bus-bus interference adjustment factor

$t_{r,0}$ is taken from the following table given in the HCM 2000. We have used table 3.1 below to calculate t_r (bus running time)

Table 3.1: Estimated base bus running time, $t_{r,0}$

Dwell Time (s)	Stops per km							
	1	2	3	4	5	6	7	8
10	1.39	1.82	2.29	2.83	3.46	4.18	5.04	5.91
20	1.55	2.15	2.79	3.49	4.29	5.19	6.20	7.24
30	1.72	2.49	3.29	4.16	5.12	6.18	7.37	8.58
40	1.89	2.82	3.78	4.82	5.96	7.18	8.54	9.91
50	2.06	3.15	4.28	5.49	6.80	8.18	9.70	11.24
60	2.22	3.48	4.77	6.15	7.63	9.18	10.87	12.58

Notes:
 Values are in minutes per kilometer.
 Data based on field measurements.
 Interpolation between shown values of dwell time is done on a straight-line basis.
 Source: St. Jacques and Levinson (23).

Source: HCM 2000

We have sub-divided each segment into further two segments. One segment covers along the CBD and the residential sectors distinguished as “segment A”, while other is length of corridor with no CBD linkage and no congestion and denoted as “segment B”.

Table 3.2: Estimated bus running time losses, $t_{r,1}$

Condition	Bus Lane	Bus Lane No Right Turns	Bus Lane with Right-Turn Delays	Bus Lanes Blocked by Traffic	Mixed-Traffic Flow
Central Business District					
Typical		0.7	1.2	1.5–1.8	1.8
Signals set for buses		0.4	0.8		
Signals more frequent than bus stops		0.9–1.2	1.5–1.8	1.8–2.1	2.1–2.4
Streets Outside the CBD					
Typical	0.4				0.6
Range	0.3–0.6				0.4–0.9
Notes: Values are in minutes per kilometer. Data based on field measurements. Traffic delays shown reflect peak conditions. Source: St. Jacques and Levinson (23).					

Source: HCM 2000

As the service is based on scheduled operation in particular time and pattern, therefore, there will be no bus-to-bus interference. Finally, the calculation of time lost at intersections is calculated.

Ridership per travel time.

We have used the following equation to determine the ridership per travel time. After selecting our design vehicle capacity, we have proceeded with number of ridership per travel time and number of buses calculation using the following equation 3.5 and 3.6 respectively.

$$\text{Ridership per travel time} = \frac{\text{Travel time}}{60} \times \text{Peak Hour Ridership} \quad \text{Eq 3.5}$$

$$\text{Number of Buses} = \frac{\text{Peak ridership for transit time}}{\text{Bus Capacity}} \quad \text{Eq 3.6}$$

Cycle time is the time taken by a bus to end entire trip (e.g., origin to destination and return back to origin). Therefore, it is taken as twice the travel time.

The next step is of determining the headway of service (frequency of service) which is the time difference along the corridor between one vehicle to the second followed by particular schedule. The headway is considered to be primary service frequency measure of LOS for an urban scheduled transit service as per HCM-2000. We have used the following equation 3.7 to determine the headway of the buses in the proposed service.

$$\mathbf{Headway} = \frac{\mathbf{Cycle\ time}}{\mathbf{Number\ of\ Buses}} \quad \mathbf{Eq\ 3.7}$$

Lastly, the LOS for proposed service is determined using table 3.3 under the guidance of HCM-2000.

Table 3.3: Service frequency LOS for urban scheduled transit service

LOS	Headway (min)	Veh/h	Comments
A	< 10	> 6	Passengers don't need schedules
B	≥ 10-14	5-6	Frequent service; passengers consult schedules
C	> 14-20	3-4	Maximum desirable time to wait if bus/train missed
D	> 20-30	2	Service unattractive to choice riders
E	> 30-60	1	Service available during hour
F	> 60	< 1	Service unattractive to all riders

Source: HCM 2000

RESULTS AND DISCUSSIONS

The following figure 4.1 indicates the one side travel time per passenger and the per vehicle cycle time of the existing and the proposed QBS (Route A & Route B). As evident, the proposed route A has reduced travel time by 39 per cent. Similarly, route B has reduced travel time by 17 per cent.

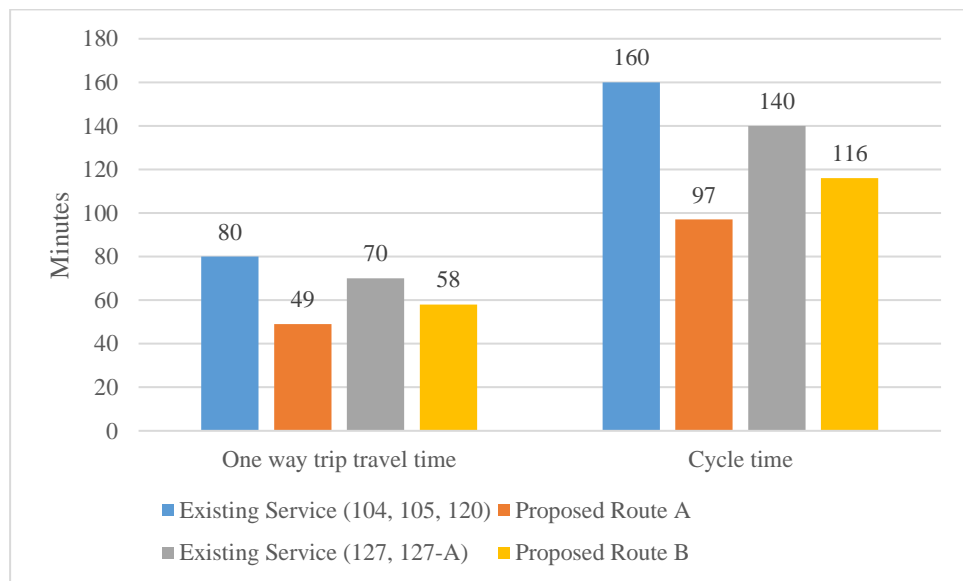


Figure 4.1: One way trip travel time and cycle time of existing services and proposed service

The following figure 4.2 indicates the time of travel in terms of “Person Hours” of the existing and the proposed services (Route A & Route B). It is important to note the ridership of both systems are considered as similar. As evident from figure 4.2 passenger travel time has been reduced by 14,420 passengers-hours/day for route A and 6,191 passengers-hours/day for route B.

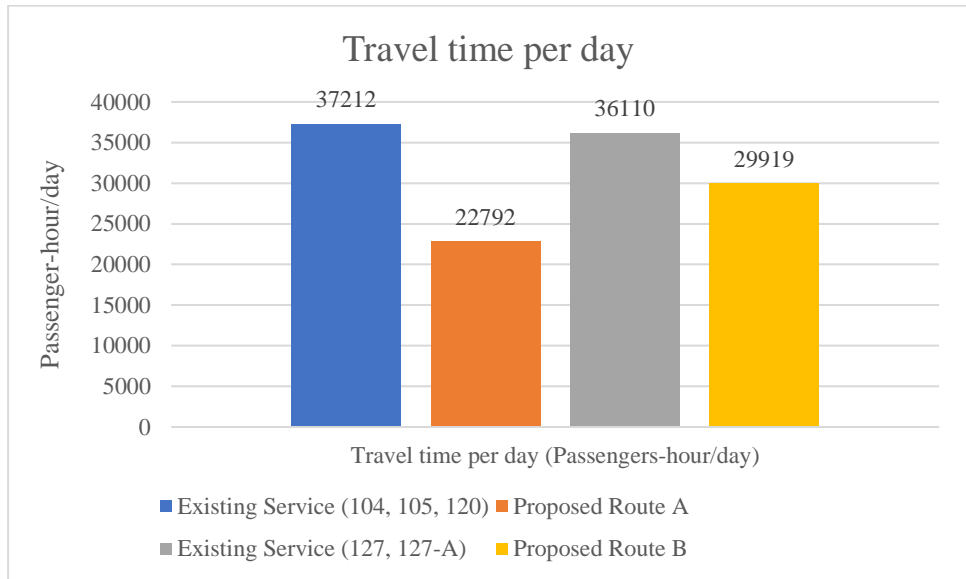


Figure 4.2: Travel time per day of passengers for existing and proposed services

Another assessment that was carried out to assess the in-vehicle experience of the passenger was to assess the dwell time at major stops along the route. For this purpose, data was conducted for the exiting service at three (3) study area stops along the route. The detailed comparison of these findings mentioned above are attached as Appendix – V.

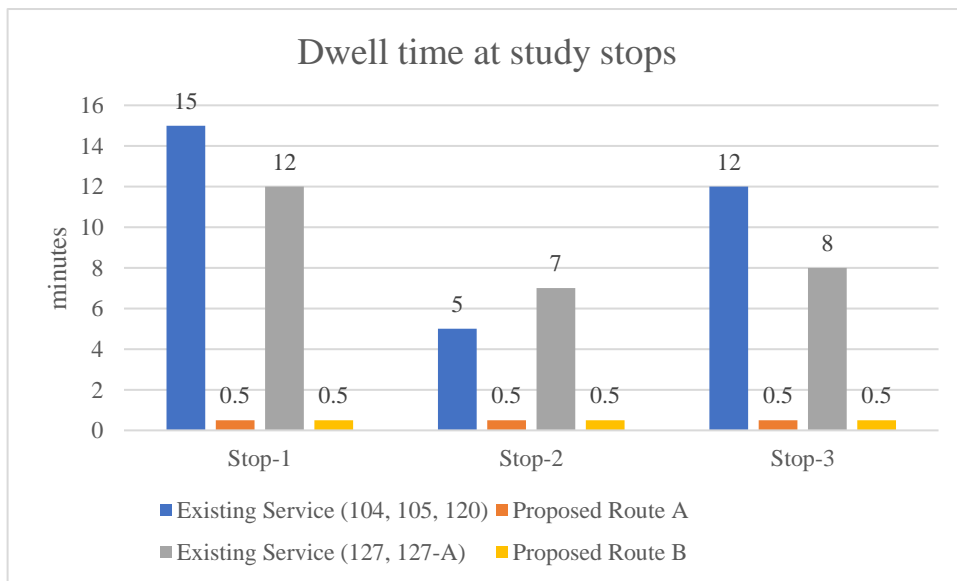


Figure 4.3: Dwell time at study stops (min) at proposed route A and B

The above-mentioned figure 4.3 indicate a reduction of dwell time by 94 per cent for both routes A and B. This indicates that the existing service takes considerably long time at our study area stops as compared to the proposed services. This longer dwell time increases the overall travel time and the cycle time of the service thus affecting efficiency and reliability of the system.

Furthermore, some key attributes for both routes A and B are given below in table 4.1. As evident, the Level of Service (LOS) has maintained at Level A for entire route. Therefore, this is ideal for any proposed scheme in traffic studies.

Table 4.1: Key attributes of Proposed Routes A and B

Attributes	Value	
	Route A	Route B
Total Daily Ridership	27,909	30,951
Length of Corridor	9.4 km	23 km
No. of proposed Stations	11	22
One side travel time	48.5 min	58 min
Cycle time	97 min	116 min
Design vehicle	12-meter-long solid body Bus	12-meter-long solid body Bus
Design vehicle capacity	83 persons	83 persons
No. of buses required	20	26
Service Headway	5 min	5 min
Service LOS	A	A

CONCLUSION

Our study has estimated a reduction in travel time by 28 percent wherein the dwell time has contributed most significantly by 94 percent. This indicates that how these factors (e.g. headway, boarding, alighting, and bus operations) are contributing in propping a new bus service while considering replacing existing service in twin cities. Additionally, an integration of the timetable schedule of the service with the metro/ BRT line with a centrally controlled urban traffic planning would further enhance origin-destination based journey trip. Our scheme design, of 46 buses having seating and standing capacity of 83 persons with a service headway of 5 minutes, has fulfilled in achieving “A” level of service, which is the highest level to be achieved within in designing especially to the urban unit. However, it is subject to reduce in case of congestion and unforeseen (accidents) situations. Furthermore, our results have shown that not only replacement of bus service would produce fruitful results in terms of monetary value until and unless it is associated with the qualities like scheduled service, users friendly ITS infrastructure, and integrated - mode transit and -fare initiatives. Last but not the least; it will assist in achieving sustainability objectives.

RECOMMENDATIONS

- Here it is required to assess the impact of the proposed QBS in terms of modal shift and attracted ridership
- There is need to study elasticity value for the ridership in twin cities.
- This study did not consider the traffic conditions, level of congestion, and the variation in ridership in different seasons. Therefore, a new study may cater for the missed variables in the current study.
- It is recommended that ridership data be calculated over entire duration of the day (breakdown into 24 hours) to better calculate the ridership demand of the study area.
- This study will be especially helpful for agencies responsible for regulating of public transport in helping identify demand and shortcomings of the current system and ways to improve the existing system.

LIMITATIONS

- Lack of manpower was biggest limitation in the process of data collection. It led to adoption of several assumptions which were based previous studies and available literature.
 - Since ridership survey for a 15-hour period was not possible; therefore, data was collected for the peak hours only.
 - Total ridership of both peaks per day will amount to 60% of daily ridership.
- It was not possible to carry out data at all formal and informal stations and stops.
 - Major stops and junction points were identified in the preliminary survey.
 - Data was collected only at these points with the assumption that these points should cover majority of route's ridership.
- Models pertaining to dwell time, bus travel time need to be developed applicable to Pakistan as the models used under the guidelines of HCM have been developed for United States of America.

REFERENCES

- Adeel, M., Anthony, G. Y., & Zhang, F. (2014). Towards an Inclusive Public Transport System in Pakistan. *International Conference on Town Planning and Urban Management 2014*. Lahore.
- Cain, A., Flynn, J., McCourt, M., & Reyes, T. (2009). *Quantifying the Importance of Image and Perception to Bus Rapid Transit*. Washington, DC: U.S. Department of Transportation, Federal Transit Administration, Office of Research, Demonstration and Innovation—TRI.
- Cain, D. G. (2007). Applicability of TransMilenio bus rapid transit system of Bogota, Colombia, to the United States. *Transportation Research Record*, 2034, 45-54.
- Cats, O., & Gluck, S. (2019). Frequency and Vehicle Capacity Determination using a Dynamic Transit Assignment Model. *Transportation Research Record*, 574-585.
- Ceder, A. (2009). Stepwise multi-criteria and multi-strategy design of public transit shuttles. *Journal of Multi-Criteria Decision Analysis*, 16(1-2), 21-38.
- Chang, S. K., & Schonfeld, P. M. (1991). Multiple period optimization of bus transit systems. *Transportation Research Part B: Methodological* 25(6), 453-478.
- Chriqui, C., & Robillard, P. (1975). Common Bus Lines. *Transportmetrica A: Transport Science*(2), 115-121.
- Deng, T., & Nelson, J. D. (2011). Recent Developments in Bus Rapid Transit: A Review of. *Transport Reviews*, Vol. 31, No. 1, 69-96.

- Fan, W., & Machemehl, R. B. (2006). Optimal transit route network design problem with variable transit demand: genetic algorithm approach. *Journal of transportation engineering*, 132(1), 40-51.
- Gakenheimer. (1999). Urban mobility in the developing world. *Transportation Research Part A: Policy and Practice*, Vol. 33, 671-689.
- GlobalWorks International Corporation and IPDF. (2012). *Pre-Feasibility Study on Bus Rapid Transit Project Islamabad, Pakistan - Final Report*. Islamabad.
- Imran, M. (2010). Sustainable Urban Transport in Pakistan: An Institutional Analysis. *International Planning Studies*, vol. 15 Issue 2, 119-141.
- Irfan, M. (2013). *Quality Bus Service - Travel Demand Study*. Islamabad: Capital Development Authority (CDA).
- Kuah, G. K., & Perl, J. (1987). A methodology for feeder-bus network design. *Transportation Research Record Journal of the Transportation Research Board* 1120, 40-51.
- Kurauchi, F., Bell, M. G., & Schmocker, J. D. (2003). Capacity constrained transit assignment with common lines. *Journal of Mathematical Modelling and Algorithms* 2(4), 309-327.
- Nguyen, S., & Pallottino, S. (1988). Equilibrium traffic assignment for large scale transit networks. *European Journal of Operational Research* 37(2), 176-186.
- Scandiaconsult, & Contrans, A. (1995). *Greater Islamabad/Rawalpindi area transport study (GIRATS)*. Islamabad.

- Szeto, W. Y., & Wu, Y. (2011). A simultaneous bus route design and frequency setting problem for Tin Shui Wai, Hong Kong. *European Journal of Operational Research*, 209(2), 141-155.
- Tabassum, S., Tanaka, S., Nakamura, F., & Ryo, A. (2017). Feeder Network Design for Mass Transit System in Developing Countries (Case Study of Lahore, Pakistan). *Transportation Research Procedia* 25, 3129-3146.
- Transportation Research Board. (2000). *Highway Capacity Manual (HCM)*. National Research Council.
- Wang, S., & Qu, X. (2015). Rural bus route design problem: Model development and case studies. *KSCE journal of civil engineering*, 19(6), 1892-1896.
- Yan, Y., Meng, Q., Wang, S., & Guo, X. (2012). Robust Optimization model of schedule design for a fixed bus route. *Transportation Research Part C: Emerging Technologies*, 25, 113-121.

APPENDICES

APPENDIX – I: SURVEY FORM

Ridership Survey Form

Date: _____

Corridor: _____

Form# _____

Time: From _____ To _____

Weather: _____

Station: _____

Time Interval: _____

Direction of Traffic: _____

Observer: _____

Time	Embarking	Disembarking	Riding	Total Riders

**APPENDIX – II: RESULTS OF PRELIMINARY
SURVEY**

Proposed QBS Route-A (Along IJP)			
S. No	Attributes of the Corridor Noted	Reason for Data collection	Findings
1	Prevailing Traffic condition	To get the idea of choke points along the corridor that may affect the travel time of the public transit system.	Traffic conditions are poor throughout the day, especially during the peak hours. Extreme level of congestion throughout the corridor length.
2	Road Infrastructure	To determine whether road infrastructure is sufficient to ply proposed design vehicles.	4 lanes dual carriage way with 2 signal along the corridor. Road infrastructure is poor and the primary reason for congestion.
3	Existing transit routes	To get the idea of functional or non-functional existing routes	Mostly para transit and intercity transport.
4	Level of congestion on the road	To get the idea of level of congestion that may affect	Extreme level of congestion throughout

		the travel time of the public transit system.	the corridor length due to poor road condition.
5	Potential location to carry out data collection	Identification of major/minor stops or choke points from where data collection might be more accurate.	9 th Avenue chowk, Pindora Chungi. (Major stops). May be termed as suitable spots to carry out data.
6	Land use on the corridor	To identified generator and attractor areas of ridership	Mostly residential areas on both sides of the corridor. Commuters regularly travel to city centre for work.
Proposed QBS Route-B (Rawat to Faizabad)			
S.No	Attributes of the Corridor Noted	Reason for Data collection	Findings
1	Prevailing Traffic condition	To get the idea of choke points along the corridor that may affect the travel time of the public transit system.	Traffic conditions are normal in the day time and in off peak hours. Extreme level of congestion observed beyond korang river bridge after 5 pm.

2	Road Infrastructure	To determine whether road infrastructure is sufficient to ply proposed design vehicles.	10 lane signal free dual carriage way to korang river bridge. 4 lanes dual carriage way beyond that point. Road infrastructure is good
3	Existing transit routes	To get the idea of functional or non-functional existing routes	Primarily Route 136 and Route 122
4	Level of congestion on the road	To get the idea of level of congestion that may affect the travel time of the public transit system.	Extreme level of congestion observed beyond korang river bridge after 5 pm.
5	Potential location to carry out data collection	Identification of major/minor stops or choke points from where data collection might be more accurate.	Faizabad, Koral Chowk and Korang river bridge stop (major stops). May be termed as suitable spots to carry out data.
6	Land use on the corridor	To identified generator and attractor areas of ridership	Mixed land use societies on both sides of corridor.

			Commuters regularly travel to city centre for work.
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APPENDIX – III: RIDERSHIP DATA
(ROUTE A – IJP)

For UP Direction

RIDERSHIP SURVEY FORM						RIDERSHIP SURVEY FORM						RIDERSHIP SURVEY FORM					
time interval:15 min		Corridor: IJP				time interval:15 min		Corridor: IJP				time interval:15 min		Corridor: IJP			
No of Days= 10 Weekday + 4 Weekend days		Station: Mandi Moor				No of Days= 10 Weekday + 4 Weekend days		Station: 9th Avenue				# of Days= 10 Weekday + 4 Weekend days		Direction of Traffic: UP			
Direction of Traffic: UP		Observer: Hamid Khan				Direction of Traffic: UP		Observer: Sufian Khan									
DAY-1						DAY-1						DAY-1					
Monday-Morning Peak						Monday-Morning Peak						Monday-Morning Peak					
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership		
1	07:15-07:30	5	13	94	112	1	07:15-07:30	18	13	235	265	07:15-07:30	112	265	377		
2	07:30-07:45	6	15	97	118	2	07:30-07:45	23	17	246	286	07:30-07:45	118	286	404		
3	07:45-08:00	8	17	101	127	3	07:45-08:00	25	20	260	305	07:45-08:00	127	305	432		
4	08:00-08:15	8	19	105	132	4	08:00-08:15	24	23	361	408	08:00-08:15	132	408	540		
5	08:15-08:30	11	25	112	148	5	08:15-08:30	26	20	277	322	08:15-08:30	148	322	470		
6	08:30-08:45	16	35	129	180	6	08:30-08:45	24	19	294	337	08:30-08:45	180	337	517		
7	08:45-09:00	18	35	131	185	7	08:45-09:00	12	22	245	278	08:45-09:00	185	278	463		
8	09:00-09:15	12	19	107	138	8	09:00-09:15	17	16	178	210	09:00-09:15	138	210	348		
9	09:15-09:30	7	14	104	126	9	09:15-09:30	15	16	249	280	09:15-09:30	126	280	406		
10	09:30-09:45	5	12	96	113	10	09:30-09:45	23	19	244	286	09:30-09:45	113	286	398		
11	09:45-10:00	4	11	82	97	11	09:45-10:00	17	11	237	265	09:45-10:00	97	265	362		
12	10:00-10:15	3	7	64	74	12	10:00-10:15	14	16	169	199	10:00-10:15	74	199	273		
Monday-Evening Peak						Monday-Evening Peak						Monday-Evening Peak					
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership		
13	02:15-02:30	35	5	41	82	13	04:15-04:30	20	10	245	275	04:15-04:30	82	275	357		
14	02:30-02:45	37	6	65	107	14	04:30-04:45	14	6	192	212	04:30-04:45	107	212	319		
15	02:45-03:00	62	3	54	119	15	04:45-05:00	14	11	269	294	04:45-05:00	119	294	413		
16	03:00-03:15	47	5	38	90	16	05:00-05:15	13	8	230	251	05:00-05:15	90	251	341		
17	03:15-03:30	52	1	56	109	17	05:15-05:30	23	7	188	218	05:15-05:30	109	218	328		
18	03:30-03:45	62	0	54	116	18	05:30-05:45	30	16	209	255	05:30-05:45	116	255	371		
19	03:45-04:00	56	0	76	132	19	05:45-06:00	22	9	241	272	05:45-06:00	132	272	404		
20	04:00-04:15	44	0	61	106	20	06:00-06:15	26	8	183	217	06:00-06:15	106	217	322		
21	04:15-04:30	49	2	58	109	21	06:15-06:30	18	7	151	175	06:15-06:30	109	175	284		
22	04:30-04:45	56	4	55	115	22	06:30-06:45	6	8	160	175	06:30-06:45	115	175	289		
23	04:45-05:00	59	2	64	125	23	06:45-07:00	9	1	162	172	06:45-07:00	125	172	298		
24	05:00-05:15	62	5	64	131	24	07:00-07:15	5	2	159	166	07:00-07:15	131	166	296		

DAY-2						DAY-2						DAY-2			
Tuesday-Morning Peak						Tuesday-Morning Peak						Tuesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	5	14	95	115	1	07:15-07:30	17	14	230	261	07:15-07:30	115	261	376
2	07:30-07:45	7	13	96	116	2	07:30-07:45	21	17	249	287	07:30-07:45	116	287	403
3	07:45-08:00	7	17	101	125	3	07:45-08:00	24	22	255	301	07:45-08:00	125	301	425
4	08:00-08:15	8	17	106	130	4	08:00-08:15	23	25	357	405	08:00-08:15	130	405	535
5	08:15-08:30	11	26	112	149	5	08:15-08:30	25	22	281	328	08:15-08:30	149	328	476
6	08:30-08:45	17	34	126	177	6	08:30-08:45	23	20	297	340	08:30-08:45	177	340	517
7	08:45-09:00	17	36	129	182	7	08:45-09:00	10	23	247	280	08:45-09:00	182	280	462
8	09:00-09:15	11	16	105	132	8	09:00-09:15	15	17	180	212	09:00-09:15	132	212	344
9	09:15-09:30	7	13	101	121	9	09:15-09:30	13	14	253	280	09:15-09:30	121	280	401
10	09:30-09:45	5	11	93	109	10	09:30-09:45	21	17	239	277	09:30-09:45	109	277	386
11	09:45-10:00	2	9	78	89	11	09:45-10:00	17	11	234	262	09:45-10:00	89	262	352
12	10:00-10:15	1	5	57	63	12	10:00-10:15	13	14	167	194	10:00-10:15	63	194	257
Tuesday-Evening Peak						Tuesday-Evening Peak						Tuesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	34	4	39	77	13	04:15-04:30	20	10	244	274	04:15-04:30	77	274	350
14	02:30-02:45	37	5	61	103	14	04:30-04:45	14	7	193	214	04:30-04:45	103	214	316
15	02:45-03:00	57	4	55	116	15	04:45-05:00	13	10	269	292	04:45-05:00	116	292	408
16	03:00-03:15	45	5	41	91	16	05:00-05:15	14	8	231	253	05:00-05:15	91	253	344
17	03:15-03:30	50	2	58	110	17	05:15-05:30	22	7	186	215	05:15-05:30	110	215	325
18	03:30-03:45	59	1	55	115	18	05:30-05:45	32	17	211	260	05:30-05:45	115	260	374
19	03:45-04:00	55	1	72	127	19	05:45-06:00	21	8	239	268	05:45-06:00	127	268	395
20	04:00-04:15	46	0	63	109	20	06:00-06:15	27	9	186	222	06:00-06:15	109	222	331
21	04:15-04:30	49	4	59	112	21	06:15-06:30	17	6	149	173	06:15-06:30	112	173	285
22	04:30-04:45	55	5	57	116	22	06:30-06:45	7	10	162	178	06:30-06:45	116	178	295
23	04:45-05:00	58	3	62	124	23	06:45-07:00	7	1	159	167	06:45-07:00	124	167	291
24	05:00-05:15	61	5	65	131	24	07:00-07:15	5	2	158	166	07:00-07:15	131	166	297

DAY-3						DAY-3						DAY-3			
Wednesday-Morning Peak						Wednesday-Morning Peak						Wednesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	6	14	97	118	1	07:15-07:30	16	14	231	261	07:15-07:30	117.6	261	379
2	07:30-07:45	7	16	98	120	2	07:30-07:45	20	17	247	284	07:30-07:45	120	284.4	404
3	07:45-08:00	7	16	101	125	3	07:45-08:00	21	23	252	296	07:45-08:00	124.8	296.4	421
4	08:00-08:15	8	18	108	134	4	08:00-08:15	22	26	354	403	08:00-08:15	134.4	402.6	537
5	08:15-08:30	11	25	114	150	5	08:15-08:30	26	23	285	334	08:15-08:30	150	334.2	484
6	08:30-08:45	17	34	131	182	6	08:30-08:45	22	22	296	340	08:30-08:45	182.4	339.6	522
7	08:45-09:00	17	37	128	182	7	08:45-09:00	11	22	245	279	08:45-09:00	182.4	279	461
8	09:00-09:15	10	16	104	130	8	09:00-09:15	16	17	182	215	09:00-09:15	130.2	215.4	346
9	09:15-09:30	7	14	100	121	9	09:15-09:30	14	16	251	281	09:15-09:30	121.2	280.8	402
10	09:30-09:45	5	11	94	110	10	09:30-09:45	19	17	241	277	09:30-09:45	110.4	277.2	388
11	09:45-10:00	3	9	77	89	11	09:45-10:00	17	10	231	259	09:45-10:00	89.4	258.6	348
12	10:00-10:15	2	5	58	65	12	10:00-10:15	11	15	169	195	10:00-10:15	65.4	195	260
Wednesday-Evening Peak						Wednesday-Evening Peak						Wednesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	33	5	41	79	13	04:15-04:30	20	10	244	274	04:15-04:30	78.6	273.6	352
14	02:30-02:45	36	5	61	103	14	04:30-04:45	14	7	193	214	04:30-04:45	102.6	213.6	316
15	02:45-03:00	56	5	56	117	15	04:45-05:00	13	10	269	292	04:45-05:00	117	292.2	409
16	03:00-03:15	44	4	43	91	16	05:00-05:15	14	8	231	253	05:00-05:15	90.6	253.2	344
17	03:15-03:30	51	2	59	113	17	05:15-05:30	22	7	186	215	05:15-05:30	112.8	214.8	328
18	03:30-03:45	57	1	53	111	18	05:30-05:45	32	17	211	260	05:30-05:45	111	259.8	371
19	03:45-04:00	53	1	69	122	19	05:45-06:00	21	8	239	268	05:45-06:00	122.4	268.2	391
20	04:00-04:15	47	2	60	109	20	06:00-06:15	27	9	186	222	06:00-06:15	109.2	222	331
21	04:15-04:30	52	1	59	112	21	06:15-06:30	17	6	149	173	06:15-06:30	111.6	172.8	284
22	04:30-04:45	55	5	56	116	22	06:30-06:45	7	10	162	178	06:30-06:45	116.4	178.2	295
23	04:45-05:00	56	4	64	124	23	06:45-07:00	7	1	159	167	06:45-07:00	124.2	167.4	292
24	05:00-05:15	59	5	65	130	24	07:00-07:15	5	2	158	166	07:00-07:15	130.2	165.6	296

DAY-4						DAY-4						DAY-4			
Thursday-Morning Peak						Thursday-Morning Peak						Thursday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	5	16	98	119	1	07:15-07:30	16	15	228	259	07:15-07:30	119	259	379
2	07:30-07:45	8	17	101	125	2	07:30-07:45	21	19	245	284	07:30-07:45	125	284	410
3	07:45-08:00	8	17	103	129	3	07:45-08:00	20	26	256	302	07:45-08:00	129	302	431
4	08:00-08:15	10	19	110	139	4	08:00-08:15	17	29	342	388	08:00-08:15	139	388	527
5	08:15-08:30	12	25	116	153	5	08:15-08:30	27	25	287	340	08:15-08:30	153	340	493
6	08:30-08:45	16	32	133	181	6	08:30-08:45	22	23	293	338	08:30-08:45	181	338	520
7	08:45-09:00	18	38	130	186	7	08:45-09:00	12	22	254	288	08:45-09:00	186	288	474
8	09:00-09:15	10	17	110	137	8	09:00-09:15	17	16	184	217	09:00-09:15	137	217	355
9	09:15-09:30	7	13	103	122	9	09:15-09:30	15	17	247	279	09:15-09:30	122	279	401
10	09:30-09:45	5	9	97	112	10	09:30-09:45	19	16	245	279	09:30-09:45	112	279	391
11	09:45-10:00	4	7	72	83	11	09:45-10:00	16	11	227	255	09:45-10:00	83	255	338
12	10:00-10:15	2	5	51	58	12	10:00-10:15	10	12	166	188	10:00-10:15	58	188	246
Thursday-Evening Peak						Thursday-Evening Peak						Thursday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	30	4	43	77	13	04:15-04:30	18	11	240	269	04:15-04:30	77	269	346
14	02:30-02:45	38	5	69	112	14	04:30-04:45	17	9	196	221	04:30-04:45	112	221	334
15	02:45-03:00	59	5	58	122	15	04:45-05:00	15	11	261	287	04:45-05:00	122	287	409
16	03:00-03:15	43	6	42	91	16	05:00-05:15	17	11	227	256	05:00-05:15	91	256	346
17	03:15-03:30	53	7	57	117	17	05:15-05:30	23	9	195	227	05:15-05:30	117	227	344
18	03:30-03:45	59	2	50	112	18	05:30-05:45	35	23	216	275	05:30-05:45	112	275	387
19	03:45-04:00	55	1	66	122	19	05:45-06:00	24	12	233	269	05:45-06:00	122	269	391
20	04:00-04:15	44	4	59	107	20	06:00-06:15	23	11	189	224	06:00-06:15	107	224	331
21	04:15-04:30	55	5	61	121	21	06:15-06:30	18	7	155	181	06:15-06:30	121	181	301
22	04:30-04:45	58	4	53	115	22	06:30-06:45	7	6	161	175	06:30-06:45	115	175	290
23	04:45-05:00	53	4	61	118	23	06:45-07:00	5	5	154	164	06:45-07:00	118	164	282
24	05:00-05:15	52	3	57	112	24	07:00-07:15	4	2	151	157	07:00-07:15	112	157	269

DAY-5						DAY-5						DAY-5			
Friday-Morning Peak						Friday-Morning Peak						Friday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	6	16	100	122	1	07:15-07:30	17	16	231	263	07:15-07:30	122	263	386
2	07:30-07:45	8	17	104	130	2	07:30-07:45	22	18	247	287	07:30-07:45	130	287	417
3	07:45-08:00	9	19	107	135	3	07:45-08:00	22	25	258	305	07:45-08:00	135	305	440
4	08:00-08:15	10	20	112	142	4	08:00-08:15	19	27	339	385	08:00-08:15	142	385	526
5	08:15-08:30	13	27	114	154	5	08:15-08:30	30	23	279	332	08:15-08:30	154	332	486
6	08:30-08:45	17	34	132	184	6	08:30-08:45	23	25	288	337	08:30-08:45	184	337	520
7	08:45-09:00	20	41	131	193	7	08:45-09:00	11	21	252	284	08:45-09:00	193	284	476
8	09:00-09:15	10	22	113	145	8	09:00-09:15	16	17	189	222	09:00-09:15	145	222	367
9	09:15-09:30	6	11	107	124	9	09:15-09:30	16	15	241	271	09:15-09:30	124	271	395
10	09:30-09:45	5	11	96	112	10	09:30-09:45	16	16	238	271	09:30-09:45	112	271	383
11	09:45-10:00	4	9	71	85	11	09:45-10:00	14	11	223	248	09:45-10:00	85	248	332
12	10:00-10:15	4	5	48	57	12	10:00-10:15	9	10	164	184	10:00-10:15	57	184	241
Friday-Evening Peak						Friday-Evening Peak						Friday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	29	5	44	79	13	04:15-04:30	17	15	235	267	04:15-04:30	79	267	346
14	02:30-02:45	38	4	72	114	14	04:30-04:45	19	11	203	234	04:30-04:45	114	234	348
15	02:45-03:00	57	2	61	121	15	04:45-05:00	17	14	267	298	04:45-05:00	121	298	419
16	03:00-03:15	50	8	47	106	16	05:00-05:15	13	14	218	245	05:00-05:15	106	245	351
17	03:15-03:30	52	7	58	118	17	05:15-05:30	28	11	199	238	05:15-05:30	118	238	355
18	03:30-03:45	58	4	53	115	18	05:30-05:45	38	27	213	278	05:30-05:45	115	278	393
19	03:45-04:00	52	3	69	124	19	05:45-06:00	29	19	236	284	05:45-06:00	124	284	408
20	04:00-04:15	41	4	55	100	20	06:00-06:15	29	16	184	229	06:00-06:15	100	229	329
21	04:15-04:30	57	7	66	130	21	06:15-06:30	16	11	161	188	06:15-06:30	130	188	317
22	04:30-04:45	53	3	47	103	22	06:30-06:45	9	10	157	175	06:30-06:45	103	175	278
23	04:45-05:00	51	5	65	121	23	06:45-07:00	4	9	150	163	06:45-07:00	121	163	284
24	05:00-05:15	56	4	59	119	24	07:00-07:15	2	4	145	150	07:00-07:15	119	150	269

DAY-6						DAY-6						DAY-6			
Saturday-Morning Peak						Saturday-Morning Peak						Saturday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	2	5	33	39	1	07:15-07:30	6	4	82	93	07:15-07:30	39	93	132
2	07:30-07:45	2	5	34	41	2	07:30-07:45	8	6	86	100	07:30-07:45	41	100	142
3	07:45-08:00	3	6	35	44	3	07:45-08:00	9	7	91	107	07:45-08:00	44	107	151
4	08:00-08:15	3	7	37	46	4	08:00-08:15	8	8	126	143	08:00-08:15	46	143	189
5	08:15-08:30	4	9	39	52	5	08:15-08:30	9	7	97	113	08:15-08:30	52	113	165
6	08:30-08:45	6	12	45	63	6	08:30-08:45	8	7	103	118	08:30-08:45	63	118	181
7	08:45-09:00	6	12	46	65	7	08:45-09:00	4	8	86	97	08:45-09:00	65	97	162
8	09:00-09:15	4	7	38	48	8	09:00-09:15	6	5	62	74	09:00-09:15	48	74	122
9	09:15-09:30	3	5	37	44	9	09:15-09:30	5	5	87	98	09:15-09:30	44	98	142
10	09:30-09:45	2	4	34	39	10	09:30-09:45	8	7	85	100	09:30-09:45	39	100	139
11	09:45-10:00	1	4	29	34	11	09:45-10:00	6	4	83	93	09:45-10:00	34	93	127
12	10:00-10:15	1	3	22	26	12	10:00-10:15	5	5	59	70	10:00-10:15	26	70	96
Saturday-Evening Peak						Saturday-Evening Peak						Saturday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	12	2	14	29	13	04:15-04:30	7	4	86	96	04:15-04:30	29	96	125
14	02:30-02:45	13	2	23	38	14	04:30-04:45	5	2	67	74	04:30-04:45	38	74	112
15	02:45-03:00	22	1	19	42	15	04:45-05:00	5	4	94	103	04:45-05:00	42	103	144
16	03:00-03:15	16	2	13	32	16	05:00-05:15	5	3	81	88	05:00-05:15	32	88	119
17	03:15-03:30	18	0	20	38	17	05:15-05:30	8	3	66	76	05:15-05:30	38	76	115
18	03:30-03:45	22	0	19	41	18	05:30-05:45	11	5	73	89	05:30-05:45	41	89	130
19	03:45-04:00	20	0	26	46	19	05:45-06:00	8	3	84	95	05:45-06:00	46	95	141
20	04:00-04:15	16	0	21	37	20	06:00-06:15	9	3	64	76	06:00-06:15	37	76	113
21	04:15-04:30	17	1	20	38	21	06:15-06:30	6	2	53	61	06:15-06:30	38	61	100
22	04:30-04:45	20	1	19	40	22	06:30-06:45	2	3	56	61	06:30-06:45	40	61	101
23	04:45-05:00	21	1	22	44	23	06:45-07:00	3	0	57	60	06:45-07:00	44	60	104
24	05:00-05:15	22	2	22	46	24	07:00-07:15	2	1	56	58	07:00-07:15	46	58	104

DAY-7						DAY-7						DAY-7			
Sunday-Morning Peak						Sunday-Morning Peak						Sunday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Dakkhana Stop	G-11 Chowk	Total-Ridership
1	07:15-07:30	1	4	28	34	1	07:15-07:30	5	4	70	80	07:15-07:30	34	80	113
2	07:30-07:45	2	5	29	35	2	07:30-07:45	7	5	74	86	07:30-07:45	35	86	121
3	07:45-08:00	2	5	30	38	3	07:45-08:00	8	6	78	92	07:45-08:00	38	92	130
4	08:00-08:15	3	6	32	40	4	08:00-08:15	7	7	108	122	08:00-08:15	40	122	162
5	08:15-08:30	3	8	33	44	5	08:15-08:30	8	6	83	97	08:15-08:30	44	97	141
6	08:30-08:45	5	10	39	54	6	08:30-08:45	7	6	88	101	08:30-08:45	54	101	155
7	08:45-09:00	5	11	39	55	7	08:45-09:00	4	6	73	84	08:45-09:00	55	84	139
8	09:00-09:15	4	6	32	41	8	09:00-09:15	5	5	53	63	09:00-09:15	41	63	104
9	09:15-09:30	2	4	31	38	9	09:15-09:30	5	5	75	84	09:15-09:30	38	84	122
10	09:30-09:45	1	4	29	34	10	09:30-09:45	7	6	73	86	09:30-09:45	34	86	120
11	09:45-10:00	1	3	25	29	11	09:45-10:00	5	3	71	80	09:45-10:00	29	80	109
12	10:00-10:15	1	2	19	22	12	10:00-10:15	4	5	51	60	10:00-10:15	22	60	82
Sunday-Evening Peak						Sunday-Evening Peak						Sunday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	10	2	12	24	13	04:15-04:30	6	3	73	83	04:15-04:30	24	83	107
14	02:30-02:45	11	2	19	32	14	04:30-04:45	4	2	58	64	04:30-04:45	32	64	96
15	02:45-03:00	19	1	16	36	15	04:45-05:00	4	3	81	88	04:45-05:00	36	88	124
16	03:00-03:15	14	1	12	27	16	05:00-05:15	4	2	69	75	05:00-05:15	27	75	102
17	03:15-03:30	15	0	17	33	17	05:15-05:30	7	2	56	66	05:15-05:30	33	66	98
18	03:30-03:45	19	0	16	35	18	05:30-05:45	9	5	63	77	05:30-05:45	35	77	111
19	03:45-04:00	17	0	23	40	19	05:45-06:00	7	3	72	82	05:45-06:00	40	82	121
20	04:00-04:15	13	0	18	32	20	06:00-06:15	8	2	55	65	06:00-06:15	32	65	97
21	04:15-04:30	15	1	17	33	21	06:15-06:30	5	2	45	53	06:15-06:30	33	53	85
22	04:30-04:45	17	1	16	34	22	06:30-06:45	2	3	48	52	06:30-06:45	34	52	87
23	04:45-05:00	18	1	19	38	23	06:45-07:00	3	0	49	52	06:45-07:00	38	52	89
24	05:00-05:15	19	1	19	39	24	07:00-07:15	1	1	48	50	07:00-07:15	39	50	89

DAY-8						DAY-8						DAY-8			
Monday-Morning Peak						Monday-Morning Peak						Monday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	9	17	98	125	1	07:15-07:30	15	15	232	262	07:15-07:30	125	262	387
2	07:30-07:45	7	16	94	117	2	07:30-07:45	28	21	250	298	07:30-07:45	117	298	415
3	07:45-08:00	10	21	97	127	3	07:45-08:00	29	24	266	320	07:45-08:00	127	320	447
4	08:00-08:15	11	23	112	146	4	08:00-08:15	31	28	379	438	08:00-08:15	146	438	584
5	08:15-08:30	13	28	116	157	5	08:15-08:30	34	25	297	355	08:15-08:30	157	355	512
6	08:30-08:45	19	38	132	189	6	08:30-08:45	31	23	282	337	08:30-08:45	189	337	526
7	08:45-09:00	21	38	139	198	7	08:45-09:00	22	26	239	287	08:45-09:00	198	287	485
8	09:00-09:15	14	22	110	146	8	09:00-09:15	20	20	204	244	09:00-09:15	146	244	390
9	09:15-09:30	8	17	107	132	9	09:15-09:30	17	17	241	275	09:15-09:30	132	275	407
10	09:30-09:45	5	14	103	123	10	09:30-09:45	17	21	232	271	09:30-09:45	123	271	394
11	09:45-10:00	2	10	86	98	11	09:45-10:00	14	14	224	252	09:45-10:00	98	252	350
12	10:00-10:15	4	5	71	80	12	10:00-10:15	10	14	178	202	10:00-10:15	80	202	282
Monday-Evening Peak						Monday-Evening Peak						Monday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	38	9	35	82	13	04:15-04:30	25	14	248	287	04:15-04:30	82	287	369
14	02:30-02:45	34	11	69	115	14	04:30-04:45	19	11	205	235	04:30-04:45	115	235	350
15	02:45-03:00	71	7	56	134	15	04:45-05:00	17	16	276	309	04:45-05:00	134	309	443
16	03:00-03:15	53	10	47	110	16	05:00-05:15	16	9	237	262	05:00-05:15	110	262	371
17	03:15-03:30	56	4	66	127	17	05:15-05:30	29	13	200	242	05:15-05:30	127	242	368
18	03:30-03:45	58	4	64	125	18	05:30-05:45	37	19	197	253	05:30-05:45	125	253	378
19	03:45-04:00	64	5	83	151	19	05:45-06:00	27	10	267	304	05:45-06:00	151	304	455
20	04:00-04:15	49	4	70	123	20	06:00-06:15	22	8	186	217	06:00-06:15	123	217	340
21	04:15-04:30	44	1	55	100	21	06:15-06:30	14	11	147	172	06:15-06:30	100	172	272
22	04:30-04:45	52	7	59	118	22	06:30-06:45	11	6	154	171	06:30-06:45	118	171	289
23	04:45-05:00	52	10	53	115	23	06:45-07:00	5	5	156	166	06:45-07:00	115	166	280
24	05:00-05:15	47	4	58	110	24	07:00-07:15	2	2	149	154	07:00-07:15	110	154	263

DAY-9						DAY-9						DAY-9			
Tuesday-Morning Peak						Tuesday-Morning Peak						Tuesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	8	16	93	118	1	07:15-07:30	13	17	235	265	07:15-07:30	118	265	382
2	07:30-07:45	7	17	95	119	2	07:30-07:45	26	22	245	292	07:30-07:45	119	292	412
3	07:45-08:00	10	25	98	133	3	07:45-08:00	31	25	272	328	07:45-08:00	133	328	461
4	08:00-08:15	11	22	107	140	4	08:00-08:15	32	26	360	418	08:00-08:15	140	418	559
5	08:15-08:30	11	29	113	154	5	08:15-08:30	32	23	301	356	08:15-08:30	154	356	510
6	08:30-08:45	17	35	129	182	6	08:30-08:45	35	26	299	360	08:30-08:45	182	360	542
7	08:45-09:00	23	37	135	194	7	08:45-09:00	25	29	254	308	08:45-09:00	194	308	502
8	09:00-09:15	16	25	107	148	8	09:00-09:15	20	19	196	235	09:00-09:15	148	235	382
9	09:15-09:30	7	17	105	130	9	09:15-09:30	15	16	214	244	09:15-09:30	130	244	374
10	09:30-09:45	4	16	101	121	10	09:30-09:45	14	20	225	259	09:30-09:45	121	259	380
11	09:45-10:00	3	11	89	103	11	09:45-10:00	11	17	212	241	09:45-10:00	103	241	344
12	10:00-10:15	2	4	64	70	12	10:00-10:15	7	10	165	182	10:00-10:15	70	182	252
Tuesday-Evening Peak						Tuesday-Evening Peak						Tuesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	32	11	33	77	13	04:15-04:30	22	16	240	278	04:15-04:30	77	278	355
14	02:30-02:45	35	11	62	109	14	04:30-04:45	23	14	214	251	04:30-04:45	109	251	359
15	02:45-03:00	59	14	59	133	15	04:45-05:00	16	19	266	301	04:45-05:00	133	301	433
16	03:00-03:15	57	11	50	119	16	05:00-05:15	22	11	233	266	05:00-05:15	119	266	385
17	03:15-03:30	51	10	71	132	17	05:15-05:30	33	11	211	255	05:15-05:30	132	255	387
18	03:30-03:45	53	5	56	115	18	05:30-05:45	41	17	187	246	05:30-05:45	115	246	361
19	03:45-04:00	61	7	77	145	19	05:45-06:00	25	13	281	319	05:45-06:00	145	319	464
20	04:00-04:15	56	5	65	126	20	06:00-06:15	20	10	180	211	06:00-06:15	126	211	337
21	04:15-04:30	49	2	56	107	21	06:15-06:30	17	7	160	184	06:15-06:30	107	184	292
22	04:30-04:45	46	10	52	107	22	06:30-06:45	13	12	146	172	06:30-06:45	107	172	279
23	04:45-05:00	50	5	56	112	23	06:45-07:00	7	5	143	155	06:45-07:00	112	155	267
24	05:00-05:15	43	2	46	90	24	07:00-07:15	3	3	137	143	07:00-07:15	90	143	233

DAY-10						DAY-10						DAY-10			
Wednesday-Morning Peak						Wednesday-Morning Peak						Wednesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	10	17	89	116	1	07:15-07:30	16	19	241	275	07:15-07:30	116	275	391
2	07:30-07:45	8	20	98	126	2	07:30-07:45	23	25	256	304	07:30-07:45	126	304	430
3	07:45-08:00	11	28	101	140	3	07:45-08:00	31	20	266	318	07:45-08:00	140	318	458
4	08:00-08:15	14	25	110	149	4	08:00-08:15	37	23	352	413	08:00-08:15	149	413	562
5	08:15-08:30	14	31	116	161	5	08:15-08:30	37	29	299	365	08:15-08:30	161	365	526
6	08:30-08:45	19	37	136	191	6	08:30-08:45	32	23	305	361	08:30-08:45	191	361	553
7	08:45-09:00	23	34	139	196	7	08:45-09:00	22	33	247	302	08:45-09:00	196	302	497
8	09:00-09:15	14	29	104	148	8	09:00-09:15	23	22	198	243	09:00-09:15	148	243	391
9	09:15-09:30	11	20	103	134	9	09:15-09:30	16	17	197	231	09:15-09:30	134	231	365
10	09:30-09:45	8	11	98	118	10	09:30-09:45	11	19	220	250	09:30-09:45	118	250	368
11	09:45-10:00	5	12	79	97	11	09:45-10:00	15	23	199	236	09:45-10:00	97	236	333
12	10:00-10:15	4	2	59	65	12	10:00-10:15	5	13	169	187	10:00-10:15	65	187	251
Wednesday-Evening Peak						Wednesday-Evening Peak						Wednesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	29	13	36	77	13	04:15-04:30	23	19	252	294	04:15-04:30	77	294	371
14	02:30-02:45	37	11	66	114	14	04:30-04:45	19	17	218	254	04:30-04:45	114	254	368
15	02:45-03:00	62	13	58	133	15	04:45-05:00	19	22	260	301	04:45-05:00	133	301	434
16	03:00-03:15	52	10	53	116	16	05:00-05:15	18	14	237	269	05:00-05:15	116	269	385
17	03:15-03:30	58	11	69	138	17	05:15-05:30	29	11	218	259	05:15-05:30	138	259	397
18	03:30-03:45	51	6	59	116	18	05:30-05:45	37	14	197	249	05:30-05:45	116	249	365
19	03:45-04:00	66	8	70	144	19	05:45-06:00	28	10	271	308	05:45-06:00	144	308	452
20	04:00-04:15	61	5	60	126	20	06:00-06:15	22	11	191	224	06:00-06:15	126	224	350
21	04:15-04:30	55	4	58	116	21	06:15-06:30	14	10	162	186	06:15-06:30	116	186	302
22	04:30-04:45	42	11	55	108	22	06:30-06:45	11	14	151	176	06:30-06:45	108	176	284
23	04:45-05:00	46	5	56	107	23	06:45-07:00	9	7	136	151	06:45-07:00	107	151	258
24	05:00-05:15	41	4	49	94	24	07:00-07:15	4	5	131	140	07:00-07:15	94	140	235

DAY-11						DAY-11						DAY-11			
Thursday-Morning Peak						Thursday-Morning Peak						Thursday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	9	16	82	107	1	07:15-07:30	13	16	232	261	07:15-07:30	107	261	368
2	07:30-07:45	8	18	93	119	2	07:30-07:45	19	23	247	289	07:30-07:45	119	289	408
3	07:45-08:00	11	26	95	132	3	07:45-08:00	29	19	257	305	07:45-08:00	132	305	437
4	08:00-08:15	13	23	107	143	4	08:00-08:15	33	19	346	397	08:00-08:15	143	397	540
5	08:15-08:30	13	28	109	150	5	08:15-08:30	35	28	292	356	08:15-08:30	150	356	506
6	08:30-08:45	17	35	128	181	6	08:30-08:45	28	21	296	345	08:30-08:45	181	345	526
7	08:45-09:00	22	32	137	192	7	08:45-09:00	19	29	241	288	08:45-09:00	192	288	480
8	09:00-09:15	13	25	99	136	8	09:00-09:15	21	17	191	229	09:00-09:15	136	229	365
9	09:15-09:30	8	15	96	119	9	09:15-09:30	14	16	191	221	09:15-09:30	119	221	341
10	09:30-09:45	7	8	89	104	10	09:30-09:45	10	17	209	236	09:30-09:45	104	236	341
11	09:45-10:00	4	7	77	88	11	09:45-10:00	13	19	196	227	09:45-10:00	88	227	315
12	10:00-10:15	2	2	52	56	12	10:00-10:15	5	10	161	176	10:00-10:15	56	176	232
Thursday-Evening Peak						Thursday-Evening Peak						Thursday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	28	11	32	71	13	04:15-04:30	22	17	246	286	04:15-04:30	71	286	356
14	02:30-02:45	35	10	62	107	14	04:30-04:45	17	18	215	250	04:30-04:45	107	250	357
15	02:45-03:00	60	13	56	129	15	04:45-05:00	18	20	252	290	04:45-05:00	129	290	419
16	03:00-03:15	51	9	52	112	16	05:00-05:15	16	13	232	261	05:00-05:15	112	261	373
17	03:15-03:30	56	10	64	130	17	05:15-05:30	27	12	212	251	05:15-05:30	130	251	381
18	03:30-03:45	48	7	55	110	18	05:30-05:45	35	13	191	238	05:30-05:45	110	238	348
19	03:45-04:00	64	7	65	135	19	05:45-06:00	25	9	266	300	05:45-06:00	135	300	435
20	04:00-04:15	59	4	56	120	20	06:00-06:15	18	11	186	215	06:00-06:15	120	215	335
21	04:15-04:30	52	5	50	107	21	06:15-06:30	11	8	159	179	06:15-06:30	107	179	286
22	04:30-04:45	41	7	52	100	22	06:30-06:45	9	14	148	170	06:30-06:45	100	170	270
23	04:45-05:00	43	4	52	98	23	06:45-07:00	10	7	131	148	06:45-07:00	98	148	247
24	05:00-05:15	39	2	46	86	24	07:00-07:15	2	5	126	133	07:00-07:15	86	133	220

DAY-12						DAY-12						DAY-12			
Friday-Morning Peak						Friday-Morning Peak						Friday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	11	19	84	114	1	07:15-07:30	14	19	237	270	07:15-07:30	114	270	384
2	07:30-07:45	10	21	97	128	2	07:30-07:45	21	25	256	302	07:30-07:45	128	302	430
3	07:45-08:00	13	29	101	143	3	07:45-08:00	31	21	262	314	07:45-08:00	143	314	457
4	08:00-08:15	14	25	110	150	4	08:00-08:15	35	22	357	414	08:00-08:15	150	414	564
5	08:15-08:30	15	31	117	163	5	08:15-08:30	38	31	306	375	08:15-08:30	163	375	538
6	08:30-08:45	19	38	137	194	6	08:30-08:45	31	23	303	358	08:30-08:45	194	358	552
7	08:45-09:00	25	35	145	205	7	08:45-09:00	22	31	246	299	08:45-09:00	205	299	503
8	09:00-09:15	16	27	98	140	8	09:00-09:15	23	22	196	241	09:00-09:15	140	241	381
9	09:15-09:30	10	16	103	128	9	09:15-09:30	16	17	196	230	09:15-09:30	128	230	358
10	09:30-09:45	8	10	93	111	10	09:30-09:45	14	19	212	245	09:30-09:45	111	245	356
11	09:45-10:00	5	8	83	97	11	09:45-10:00	16	22	200	237	09:45-10:00	97	237	334
12	10:00-10:15	3	5	57	65	12	10:00-10:15	10	13	164	187	10:00-10:15	65	187	251
Friday-Evening Peak						Friday-Evening Peak						Friday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	29	13	34	76	13	04:15-04:30	23	19	249	291	04:15-04:30	76	291	367
14	02:30-02:45	36	11	66	113	14	04:30-04:45	19	20	218	257.4	04:30-04:45	113	257	371
15	02:45-03:00	61	14	58	134	15	04:45-05:00	21	23	258	302.4	04:45-05:00	134	302	436
16	03:00-03:15	34	11	35	81	16	05:00-05:15	19	14	237	270.6	05:00-05:15	81	271	352
17	03:15-03:30	58	11	65	134	17	05:15-05:30	29	16	216	261	05:15-05:30	134	261	395
18	03:30-03:45	32	9	58	99	18	05:30-05:45	37	14	195	246.6	05:30-05:45	99	247	346
19	03:45-04:00	66	8	67	141	19	05:45-06:00	26	11	269	307.2	05:45-06:00	141	307	448
20	04:00-04:15	62	7	59	128	20	06:00-06:15	20	14	190	223.8	06:00-06:15	128	224	352
21	04:15-04:30	53	5	53	112	21	06:15-06:30	14	11	223	247.8	06:15-06:30	112	248	360
22	04:30-04:45	43	8	55	106	22	06:30-06:45	11	16	151	177.6	06:30-06:45	106	178	283
23	04:45-05:00	45	5	55	105	23	06:45-07:00	11	11	133	156	06:45-07:00	105	156	261
24	05:00-05:15	41	4	49	95	24	07:00-07:15	5	7	128	140.4	07:00-07:15	95	140	235

DAY-13						DAY-13						DAY-13			
Saturday-Morning Peak						Saturday-Morning Peak						Saturday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	3	6	34	44	1	07:15-07:30	5	5	81	92	07:15-07:30	44	92	135
2	07:30-07:45	2	6	33	41	2	07:30-07:45	10	7	87	104	07:30-07:45	41	104	145
3	07:45-08:00	3	7	34	45	3	07:45-08:00	10	8	93	112	07:45-08:00	45	112	156
4	08:00-08:15	4	8	39	51	4	08:00-08:15	11	10	133	153	08:00-08:15	51	153	205
5	08:15-08:30	4	10	41	55	5	08:15-08:30	12	9	104	124	08:15-08:30	55	124	179
6	08:30-08:45	7	13	46	66	6	08:30-08:45	11	8	99	118	08:30-08:45	66	118	184
7	08:45-09:00	7	13	49	105	7	08:45-09:00	8	9	84	101	08:45-09:00	105	101	206
8	09:00-09:15	5	8	39	51	8	09:00-09:15	7	7	71	85	09:00-09:15	51	85	137
9	09:15-09:30	3	6	38	46	9	09:15-09:30	6	6	84	96	09:15-09:30	46	96	143
10	09:30-09:45	2	5	36	43	10	09:30-09:45	6	7	81	95	09:30-09:45	43	95	138
11	09:45-10:00	1	4	30	34	11	09:45-10:00	5	5	79	88	09:45-10:00	34	88	123
12	10:00-10:15	1	2	25	28	12	10:00-10:15	4	5	62	71	10:00-10:15	28	71	99
Saturday-Evening Peak						Saturday-Evening Peak						Saturday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	13	3	12	29	13	04:15-04:30	9	5	87	100	04:15-04:30	29	100	129
14	02:30-02:45	12	4	24	40	14	04:30-04:45	7	4	72	82	04:30-04:45	40	82	122
15	02:45-03:00	25	2	20	47	15	04:45-05:00	6	5	97	108	04:45-05:00	47	108	155
16	03:00-03:15	19	3	16	38	16	05:00-05:15	5	3	83	92	05:00-05:15	38	92	130
17	03:15-03:30	20	1	23	44	17	05:15-05:30	10	4	70	85	05:15-05:30	44	85	129
18	03:30-03:45	20	1	22	44	18	05:30-05:45	13	7	69	89	05:30-05:45	44	89	132
19	03:45-04:00	22	2	29	53	19	05:45-06:00	9	4	93	106	05:45-06:00	53	106	159
20	04:00-04:15	17	1	24	43	20	06:00-06:15	8	3	65	76	06:00-06:15	43	76	119
21	04:15-04:30	16	0	19	35	21	06:15-06:30	5	4	51	60	06:15-06:30	35	60	95
22	04:30-04:45	18	3	21	41	22	06:30-06:45	4	2	54	60	06:30-06:45	41	60	101
23	04:45-05:00	18	3	18	40	23	06:45-07:00	2	2	55	58	06:45-07:00	40	58	98
24	05:00-05:15	17	1	20	38	24	07:00-07:15	1	1	52	54	07:00-07:15	38	54	92

DAY-14						DAY-14						DAY-14			
Sunday-Morning Peak						Sunday-Morning Peak						Sunday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	3	5	30	37	1	07:15-07:30	5	5	70	79	07:15-07:30	37	79	116
2	07:30-07:45	2	5	28	35	2	07:30-07:45	8	6	75	89	07:30-07:45	35	89	125
3	07:45-08:00	3	6	29	38	3	07:45-08:00	9	7	80	96	07:45-08:00	38	96	134
4	08:00-08:15	3	7	33	44	4	08:00-08:15	9	8	114	131	08:00-08:15	44	131	175
5	08:15-08:30	4	8	35	47	5	08:15-08:30	10	7	89	107	08:15-08:30	47	107	154
6	08:30-08:45	6	11	40	57	6	08:30-08:45	9	7	85	101	08:30-08:45	57	101	158
7	08:45-09:00	6	12	42	59	7	08:45-09:00	6	8	72	86	08:45-09:00	59	86	146
8	09:00-09:15	4	6	33	44	8	09:00-09:15	6	6	61	73	09:00-09:15	44	73	117
9	09:15-09:30	2	5	32	40	9	09:15-09:30	5	5	72	83	09:15-09:30	40	83	122
10	09:30-09:45	2	4	31	37	10	09:30-09:45	5	6	70	81	09:30-09:45	37	81	118
11	09:45-10:00	1	3	26	30	11	09:45-10:00	4	4	67	76	09:45-10:00	30	76	105
12	10:00-10:15	1	1	21	24	12	10:00-10:15	3	4	53	61	10:00-10:15	24	61	85
Sunday-Evening Peak						Sunday-Evening Peak						Sunday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	02:15-02:30	12	3	10	25	13	04:15-04:30	7	4	74	86	04:15-04:30	25	86	111
14	02:30-02:45	10	3	21	34	14	04:30-04:45	6	3	61	71	04:30-04:45	34	71	105
15	02:45-03:00	21	2	17	40	15	04:45-05:00	5	5	83	93	04:45-05:00	40	93	133
16	03:00-03:15	16	3	14	33	16	05:00-05:15	5	3	71	78	05:00-05:15	33	78	111
17	03:15-03:30	17	1	20	38	17	05:15-05:30	9	4	60	73	05:15-05:30	38	73	111
18	03:30-03:45	17	1	19	37	18	05:30-05:45	11	6	59	76	05:30-05:45	37	76	113
19	03:45-04:00	19	1	25	45	19	05:45-06:00	8	3	80	91	05:45-06:00	45	91	137
20	04:00-04:15	15	1	21	37	20	06:00-06:15	7	3	56	65	06:00-06:15	37	65	102
21	04:15-04:30	13	0	16	30	21	06:15-06:30	4	3	44	52	06:15-06:30	30	52	82
22	04:30-04:45	15	2	18	35	22	06:30-06:45	3	2	46	51	06:30-06:45	35	51	87
23	04:45-05:00	16	3	16	34	23	06:45-07:00	1	1	47	50	06:45-07:00	34	50	84
24	05:00-05:15	14	1	17	33	24	07:00-07:15	1	1	45	46	07:00-07:15	33	46	79

Average Ridership-10 Weekdays				
Time	Mandi Moor	9th Avenue	Total-Ridership	Peak Hour Ridership
07:15-07:30	117	264	381	
07:30-07:45	122	291	413	
07:45-08:00	132	309	441	
08:00-08:15	141	407	547	1782
08:15-08:30	154	346	500	1902
08:30-08:45	184	345	529	2018
08:45-09:00	191	289	481	2057
09:00-09:15	140	227	367	1877
09:15-09:30	126	259	385	1762
09:30-09:45	113	265	378	1611
09:45-10:00	93	248	341	1471
10:00-10:15	65	189	255	1359

Evening Peak				
Time	Total Riding	Total Riding		Peak Hour Ridership
04:15-04:30	81.36	277.38	358.74	
04:30-04:45	111.06	238.68	349.74	
04:45-05:00	126.66	297.9	424.56	
05:00-05:15	107.46	273	380.46	1514
05:15-05:30	125.52	249.54	375.06	1530
05:30-05:45	123	267.12	390.12	1570
05:45-06:00	140.76	289.08	429.84	1575
06:00-06:15	116.58	222.06	338.64	1534
06:15-06:30	114.3	184.02	298.32	1457
06:30-06:45	110.94	181.5	292.44	1359
06:45-07:00	114.12	169.14	283.26	1213
07:00-07:15	106.86	156.06	262.92	1137

Average Ridership-4 Weekend-days				
Time	Dakkhana Stop	G-11 Chowk	Total-Ridership	Peak Hour Ridership
07:15-07:30	38.5125	85.7025	124.215	
07:30-07:45	38.22	94.965	133.185	
07:45-08:00	41.2425	101.595	142.8375	
08:00-08:15	45.24	137.475	182.715	582.9525
08:15-08:30	49.53	110.0775	159.6075	618.345
08:30-08:45	59.9625	109.4925	169.455	654.615
08:45-09:00	71.13	91.9425	163.0725	674.85
09:00-09:15	46.1175	73.8075	119.925	612.06
09:15-09:30	41.925	90.1875	132.1125	584.565
09:30-09:45	38.3175	90.3825	128.7	543.81
09:45-10:00	31.6875	84.045	115.7325	496.47
10:00-10:15	25.0575	65.13	90.1875	466.7325

Evening Peak				
Time	Total Riding	Total Riding		Peak Hour Ridership
04:15-04:30	40.0275	138.96	178.9875	
04:30-04:45	55.3275	112.905	168.2325	
04:45-05:00	64.35	149.5125	213.8625	
05:00-05:15	52.0425	126.765	178.8075	739.89
05:15-05:30	60.4125	116.1225	176.535	737.4375
05:30-05:45	60.21	123.57	183.78	752.985
05:45-06:00	72.27	145.8675	218.1375	757.26
06:00-06:15	58.6575	105.5925	164.25	742.7025
06:15-06:30	49.5225	84.1725	133.695	699.8625
06:30-06:45	57.105	83.6325	140.7375	656.82
06:45-07:00	56.6775	81.225	137.9025	576.585
07:00-07:15	55.1025	75.78	130.8825	543.2175

For DOWN Direction

RIDERSHIP SURVEY FORM						RIDERSHIP SURVEY FORM						RIDERSHIP SURVEY FORM					
time interval:15 min		Corridor: IJP				time interval:15 min		Corridor: IJP				time interval:15 min		Corridor: IJP			
No of Days= 10 Weekday + 4 Weekend days		Station: Mandi Moor				No of Days= 10 Weekday + 4 Weekend days		Station: Pindora Chungi				# of Days= 10 Weekday + 4 Weekend days		Direction of Traffic: UP			
Direction of Traffic: DOWN		Observer: Hamid Khan				Direction of Traffic: DOWN		Observer: Sufian Khan									
DAY-1						DAY-1						DAY-1					
Monday-Morning Peak						Monday-Morning Peak						Monday-Morning Peak					
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership		
1	07:15-07:30	41	17	98	157	1	07:15-07:30	25	23	247	295	07:15-07:30	157	295	451		
2	07:30-07:45	45	19	105	169	2	07:30-07:45	27	25	297	349	07:30-07:45	169	349	518		
3	07:45-08:00	53	23	44	119	3	07:45-08:00	31	29	337	397	07:45-08:00	119	397	516		
4	08:00-08:15	61	26	86	174	4	08:00-08:15	29	23	209	262	08:00-08:15	174	262	436		
5	08:15-08:30	71	31	89	191	5	08:15-08:30	24	33	274	331	08:15-08:30	191	331	522		
6	08:30-08:45	72	31	111	214	6	08:30-08:45	19	19	243	281	08:30-08:45	214	281	494		
7	08:45-09:00	62	27	31	119	7	08:45-09:00	15	29	357	401	08:45-09:00	119	401	521		
8	09:00-09:15	63	27	29	119	8	09:00-09:15	9	17	226	251	09:00-09:15	119	251	371		
9	09:15-09:30	55	24	19	98	9	09:15-09:30	11	17	161	188	09:15-09:30	98	188	286		
10	09:30-09:45	59	25	19	104	10	09:30-09:45	7	10	110	127	09:30-09:45	104	127	231		
11	09:45-10:00	52	22	35	109	11	09:45-10:00	4	10	130	145	09:45-10:00	109	145	253		
12	10:00-10:15	58	25	37	119	12	10:00-10:15	10	2	76	88	10:00-10:15	119	88	207		
Monday-Evening Peak						Monday-Evening Peak						Monday-Evening Peak					
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding		
13	02:15-02:30	40	17	11	69	13	04:15-04:30	17	16	146	179	04:15-04:30	69	179	248		
14	02:30-02:45	38	16	4	59	14	04:30-04:45	14	17	175	206	04:30-04:45	59	206	265		
15	02:45-03:00	33	14	5	52	15	04:45-05:00	7	8	194	209	04:45-05:00	52	209	261		
16	03:00-03:15	17	7	27	52	16	05:00-05:15	11	14	135	160	05:00-05:15	52	160	212		
17	03:15-03:30	42	18	9	68	17	05:15-05:30	10	11	149	171	05:15-05:30	68	171	239		
18	03:30-03:45	35	15	23	73	18	05:30-05:45	11	19	149	178	05:30-05:45	73	178	251		
19	03:45-04:00	50	21	4	76	19	05:45-06:00	10	8	137	155	05:45-06:00	76	155	231		
20	04:00-04:15	45	19	13	77	20	06:00-06:15	14	13	147	174	06:00-06:15	77	174	251		
21	04:15-04:30	41	18	31	90	21	06:15-06:30	12	19	90	121	06:15-06:30	90	121	211		
22	04:30-04:45	39	17	28	83	22	06:30-06:45	8	15	133	155	06:30-06:45	83	155	239		
23	04:45-05:00	37	16	22	76	23	06:45-07:00	8	13	71	91	06:45-07:00	76	91	167		
24	05:00-05:15	40	17	27	84	24	07:00-07:15	7	8	66	81	07:00-07:15	84	81	165		

DAY-2						DAY-2						DAY-2			
Tuesday-Morning Peak						Tuesday-Morning Peak						Tuesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	39	16	94	149	1	07:15-07:30	23	21	244	288	07:15-07:30	149	288	437
2	07:30-07:45	43	17	98	159	2	07:30-07:45	25	24	293	343	07:30-07:45	159	343	502
3	07:45-08:00	51	21	42	114	3	07:45-08:00	28	26	330	384	07:45-08:00	114	384	498
4	08:00-08:15	59	24	83	166	4	08:00-08:15	24	22	208	254	08:00-08:15	166	254	420
5	08:15-08:30	69	28	85	182	5	08:15-08:30	22	31	271	323	08:15-08:30	182	323	505
6	08:30-08:45	70	27	105	202	6	08:30-08:45	17	17	239	273	08:30-08:45	202	273	475
7	08:45-09:00	59	25	28	112	7	08:45-09:00	14	28	352	394	08:45-09:00	112	394	506
8	09:00-09:15	61	25	25	110	8	09:00-09:15	7	15	224	245	09:00-09:15	110	245	356
9	09:15-09:30	52	23	17	92	9	09:15-09:30	9	17	155	181	09:15-09:30	92	181	273
10	09:30-09:45	53	20	17	91	10	09:30-09:45	7	8	106	121	09:30-09:45	91	121	212
11	09:45-10:00	50	17	28	96	11	09:45-10:00	5	8	125	137	09:45-10:00	96	137	233
12	10:00-10:15	55	21	34	110	12	10:00-10:15	8	2	66	76	10:00-10:15	110	76	186
Tuesday-Evening Peak						Tuesday-Evening Peak						Tuesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	38	17	10	65	13	04:15-04:30	16	17	144	177	04:15-04:30	65	177	242
14	02:30-02:45	35	15	5	55	14	04:30-04:45	14	22	177	213	04:30-04:45	55	213	268
15	02:45-03:00	31	13	5	49	15	04:45-05:00	8	10	182	200	04:45-05:00	49	200	248
16	03:00-03:15	15	8	25	49	16	05:00-05:15	10	13	137	160	05:00-05:15	49	160	208
17	03:15-03:30	38	17	10	65	17	05:15-05:30	11	12	151	173	05:15-05:30	65	173	239
18	03:30-03:45	31	14	22	67	18	05:30-05:45	10	16	147	173	05:30-05:45	67	173	240
19	03:45-04:00	47	19	5	71	19	05:45-06:00	9	10	141	160	05:45-06:00	71	160	231
20	04:00-04:15	43	17	14	74	20	06:00-06:15	16	11	143	170	06:00-06:15	74	170	244
21	04:15-04:30	41	16	29	86	21	06:15-06:30	15	21	99	135	06:15-06:30	86	135	221
22	04:30-04:45	36	15	25	76	22	06:30-06:45	10	16	130	155	06:30-06:45	76	155	230
23	04:45-05:00	34	14	19	68	23	06:45-07:00	6	16	75	97	06:45-07:00	68	97	164
24	05:00-05:15	33	16	23	72	24	07:00-07:15	5	7	73	84	07:00-07:15	72	84	156

DAY-3						DAY-3						DAY-3			
Wednesday-Morning Peak						Wednesday-Morning Peak						Wednesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	40	17	89	147	1	07:15-07:30	26	23	250	299	07:15-07:30	147	299	446
2	07:30-07:45	45	19	97	161	2	07:30-07:45	28	25	297	350	07:30-07:45	161	350	511
3	07:45-08:00	53	23	52	128	3	07:45-08:00	31	23	326	380	07:45-08:00	128	380	508
4	08:00-08:15	61	22	78	161	4	08:00-08:15	26	29	209	265	08:00-08:15	161	265	427
5	08:15-08:30	71	25	88	184	5	08:15-08:30	23	34	281	339	08:15-08:30	184	339	523
6	08:30-08:45	69	29	101	199	6	08:30-08:45	20	22	244	285	08:30-08:45	199	285	484
7	08:45-09:00	64	23	31	118	7	08:45-09:00	17	25	356	398	08:45-09:00	118	398	516
8	09:00-09:15	58	26	32	116	8	09:00-09:15	10	17	240	267	09:00-09:15	116	267	383
9	09:15-09:30	57	23	22	102	9	09:15-09:30	7	14	164	185	09:15-09:30	102	185	287
10	09:30-09:45	55	24	20	100	10	09:30-09:45	8	16	101	125	09:30-09:45	100	125	225
11	09:45-10:00	53	20	26	99	11	09:45-10:00	8	9	121	137	09:45-10:00	99	137	236
12	10:00-10:15	50	16	26	93	12	10:00-10:15	5	4	64	73	10:00-10:15	93	73	166
Wednesday-Evening Peak						Wednesday-Evening Peak						Wednesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	37	19	11	67	13	04:15-04:30	14	19	138	172	04:15-04:30	67	172	238
14	02:30-02:45	38	17	8	63	14	04:30-04:45	16	19	179	214	04:30-04:45	63	214	277
15	02:45-03:00	34	14	7	55	15	04:45-05:00	11	11	188	211	04:45-05:00	55	211	265
16	03:00-03:15	21	10	22	53	16	05:00-05:15	11	14	132	157	05:00-05:15	53	157	211
17	03:15-03:30	40	17	11	68	17	05:15-05:30	13	16	143	172	05:15-05:30	68	172	240
18	03:30-03:45	30	16	20	67	18	05:30-05:45	11	14	145	170	05:30-05:45	67	170	237
19	03:45-04:00	43	21	8	71	19	05:45-06:00	10	11	151	172	05:45-06:00	71	172	244
20	04:00-04:15	40	19	11	70	20	06:00-06:15	17	8	149	175	06:00-06:15	70	175	245
21	04:15-04:30	30	17	23	70	21	06:15-06:30	16	19	117	151	06:15-06:30	70	151	221
22	04:30-04:45	33	14	22	70	22	06:30-06:45	11	17	124	152	06:30-06:45	70	152	221
23	04:45-05:00	29	11	22	62	23	06:45-07:00	8	11	85	104	06:45-07:00	62	104	166
24	05:00-05:15	26	10	20	56	24	07:00-07:15	6	5	71	82	07:00-07:15	56	82	138

DAY-4						DAY-4						DAY-4			
Thursday-Morning Peak						Thursday-Morning Peak						Thursday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	41	19	85	146	1	07:15-07:30	23	20	253	296	07:15-07:30	146	296	442
2	07:30-07:45	46	18	94	158	2	07:30-07:45	25	26	301	352	07:30-07:45	158	352	510
3	07:45-08:00	55	22	55	131	3	07:45-08:00	29	22	330	381	07:45-08:00	131	381	512
4	08:00-08:15	64	25	74	163	4	08:00-08:15	28	28	218	274	08:00-08:15	163	274	437
5	08:15-08:30	69	28	83	180	5	08:15-08:30	22	31	271	323	08:15-08:30	180	323	503
6	08:30-08:45	74	31	94	199	6	08:30-08:45	22	25	254	301	08:30-08:45	199	301	499
7	08:45-09:00	67	21	37	125	7	08:45-09:00	19	28	361	407	08:45-09:00	125	407	532
8	09:00-09:15	56	24	35	116	8	09:00-09:15	11	21	232	264	09:00-09:15	116	264	380
9	09:15-09:30	61	22	25	107	9	09:15-09:30	10	17	169	196	09:15-09:30	107	196	302
10	09:30-09:45	58	19	22	98	10	09:30-09:45	9	19	106	133	09:30-09:45	98	133	232
11	09:45-10:00	50	17	23	91	11	09:45-10:00	7	13	109	128	09:45-10:00	91	128	219
12	10:00-10:15	47	16	20	83	12	10:00-10:15	5	7	67	79	10:00-10:15	83	79	161
Thursday-Evening Peak						Thursday-Evening Peak						Thursday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	35	21	14	70	13	04:15-04:30	17	16	142	175	04:15-04:30	70	175	245
14	02:30-02:45	32	20	13	65	14	04:30-04:45	16	17	180	214	04:30-04:45	65	214	278
15	02:45-03:00	35	17	11	64	15	04:45-05:00	14	16	185	214	04:45-05:00	64	214	278
16	03:00-03:15	26	13	25	64	16	05:00-05:15	13	17	151	180	05:00-05:15	64	180	244
17	03:15-03:30	37	20	16	73	17	05:15-05:30	17	19	154	190	05:15-05:30	73	190	262
18	03:30-03:45	33	19	23	75	18	05:30-05:45	14	22	152	188	05:30-05:45	75	188	263
19	03:45-04:00	44	23	11	79	19	05:45-06:00	11	12	146	169	05:45-06:00	79	169	248
20	04:00-04:15	40	20	14	73	20	06:00-06:15	21	11	143	175	06:00-06:15	73	175	248
21	04:15-04:30	28	16	25	68	21	06:15-06:30	14	15	112	142	06:15-06:30	68	142	210
22	04:30-04:45	29	19	23	72	22	06:30-06:45	11	14	117	143	06:30-06:45	72	143	215
23	04:45-05:00	25	14	17	56	23	06:45-07:00	10	8	83	101	06:45-07:00	56	101	157
24	05:00-05:15	22	11	22	55	24	07:00-07:15	4	7	69	80	07:00-07:15	55	80	134

DAY-5						DAY-5						DAY-5			
Friday-Morning Peak						Friday-Morning Peak						Friday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	39	17	82	139	1	07:15-07:30	21	17	241	280	07:15-07:30	139	280	418
2	07:30-07:45	43	17	89	148	2	07:30-07:45	23	23	292	338	07:30-07:45	148	338	487
3	07:45-08:00	53	19	52	124	3	07:45-08:00	27	23	322	372	07:45-08:00	124	372	496
4	08:00-08:15	59	24	71	154	4	08:00-08:15	28	29	227	284	08:00-08:15	154	284	437
5	08:15-08:30	64	26	77	167	5	08:15-08:30	25	29	265	319	08:15-08:30	167	319	486
6	08:30-08:45	64	29	88	182	6	08:30-08:45	26	28	242	296	08:30-08:45	182	296	478
7	08:45-09:00	63	19	32	115	7	08:45-09:00	23	31	349	403	08:45-09:00	115	403	517
8	09:00-09:15	57	22	31	110	8	09:00-09:15	13	20	225	258	09:00-09:15	110	258	368
9	09:15-09:30	58	17	27	102	9	09:15-09:30	9	16	167	192	09:15-09:30	102	192	294
10	09:30-09:45	53	17	22	92	10	09:30-09:45	8	14	112	134	09:30-09:45	92	134	226
11	09:45-10:00	49	14	19	82	11	09:45-10:00	5	11	103	119	09:45-10:00	82	119	201
12	10:00-10:15	45	12	17	74	12	10:00-10:15	3	5	73	81	10:00-10:15	74	81	155
Friday-Evening Peak						Friday-Evening Peak						Friday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	32	18	14	65	13	04:15-04:30	16	17	145	178	04:15-04:30	65	178	243
14	02:30-02:45	29	17	11	58	14	04:30-04:45	17	16	184	217	04:30-04:45	58	217	274
15	02:45-03:00	31	19	16	65	15	04:45-05:00	19	19	189	226	04:45-05:00	65	226	291
16	03:00-03:15	29	14	22	66	16	05:00-05:15	17	20	159	196	05:00-05:15	66	196	262
17	03:15-03:30	34	23	17	75	17	05:15-05:30	20	17	161	198	05:15-05:30	75	198	273
18	03:30-03:45	29	20	19	68	18	05:30-05:45	16	23	155	195	05:30-05:45	68	195	263
19	03:45-04:00	41	25	14	80	19	05:45-06:00	15	13	157	185	05:45-06:00	80	185	265
20	04:00-04:15	36	22	16	74	20	06:00-06:15	25	10	148	183	06:00-06:15	74	183	257
21	04:15-04:30	25	13	20	59	21	06:15-06:30	17	11	118	146	06:15-06:30	59	146	205
22	04:30-04:45	24	15	18	57	22	06:30-06:45	13	13	104	130	06:30-06:45	57	130	187
23	04:45-05:00	20	11	15	47	23	06:45-07:00	11	11	88	109	06:45-07:00	47	109	156
24	05:00-05:15	17	12	16	44	24	07:00-07:15	10	10	74	94	07:00-07:15	44	94	138

DAY-6						DAY-6						DAY-6			
Saturday-Morning Peak						Saturday-Morning Peak						Saturday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	14	6	34	55	1	07:15-07:30	9	8	87	103	07:15-07:30	55	103	158
2	07:30-07:45	16	7	37	59	2	07:30-07:45	9	9	104	122	07:30-07:45	59	122	181
3	07:45-08:00	18	8	16	42	3	07:45-08:00	11	10	118	139	07:45-08:00	42	139	181
4	08:00-08:15	21	9	30	61	4	08:00-08:15	10	8	73	92	08:00-08:15	61	92	153
5	08:15-08:30	25	11	31	67	5	08:15-08:30	8	12	96	116	08:15-08:30	67	116	183
6	08:30-08:45	25	11	39	75	6	08:30-08:45	7	7	85	98	08:30-08:45	75	98	173
7	08:45-09:00	22	9	11	42	7	08:45-09:00	5	10	125	140	08:45-09:00	42	140	182
8	09:00-09:15	22	9	10	42	8	09:00-09:15	3	6	79	88	09:00-09:15	42	88	130
9	09:15-09:30	19	8	7	34	9	09:15-09:30	4	6	56	66	09:15-09:30	34	66	100
10	09:30-09:45	21	9	7	36	10	09:30-09:45	3	4	38	45	09:30-09:45	36	45	81
11	09:45-10:00	18	8	12	38	11	09:45-10:00	1	4	46	51	09:45-10:00	38	51	89
12	10:00-10:15	20	9	13	42	12	10:00-10:15	4	1	26	31	10:00-10:15	42	31	72
Saturday-Evening Peak						Saturday-Evening Peak						Saturday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	14	6	4	24	13	04:15-04:30	6	5	51	63	04:15-04:30	24	63	87
14	02:30-02:45	13	6	1	21	14	04:30-04:45	5	6	61	72	04:30-04:45	21	72	93
15	02:45-03:00	11	5	2	18	15	04:45-05:00	3	3	68	73	04:45-05:00	18	73	91
16	03:00-03:15	6	3	9	18	16	05:00-05:15	4	5	47	56	05:00-05:15	18	56	74
17	03:15-03:30	15	6	3	24	17	05:15-05:30	4	4	52	60	05:15-05:30	24	60	84
18	03:30-03:45	12	5	8	26	18	05:30-05:45	4	7	52	62	05:30-05:45	26	62	88
19	03:45-04:00	17	7	1	26	19	05:45-06:00	4	3	48	54	05:45-06:00	26	54	81
20	04:00-04:15	16	7	4	27	20	06:00-06:15	5	5	51	61	06:00-06:15	27	61	88
21	04:15-04:30	14	6	11	32	21	06:15-06:30	4	7	32	42	06:15-06:30	32	42	74
22	04:30-04:45	14	6	10	29	22	06:30-06:45	3	5	46	54	06:30-06:45	29	54	84
23	04:45-05:00	13	6	8	26	23	06:45-07:00	3	4	25	32	06:45-07:00	26	32	58
24	05:00-05:15	14	6	9	29	24	07:00-07:15	2	3	23	28	07:00-07:15	29	28	58

DAY-7						DAY-7						DAY-7			
Sunday-Morning Peak						Sunday-Morning Peak						Sunday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	12	5	30	47	1	07:15-07:30	7	7	74	88	07:15-07:30	47	88	135
2	07:30-07:45	13	6	32	51	2	07:30-07:45	8	8	89	105	07:30-07:45	51	105	156
3	07:45-08:00	16	7	13	36	3	07:45-08:00	9	9	101	119	07:45-08:00	36	119	155
4	08:00-08:15	18	8	26	52	4	08:00-08:15	9	7	63	79	08:00-08:15	52	79	131
5	08:15-08:30	21	9	27	57	5	08:15-08:30	7	10	82	99	08:15-08:30	57	99	157
6	08:30-08:45	22	9	33	64	6	08:30-08:45	6	6	73	84	08:30-08:45	64	84	148
7	08:45-09:00	19	8	9	36	7	08:45-09:00	5	9	107	120	08:45-09:00	36	120	156
8	09:00-09:15	19	8	9	36	8	09:00-09:15	3	5	68	75	09:00-09:15	36	75	111
9	09:15-09:30	17	7	6	29	9	09:15-09:30	3	5	48	57	09:15-09:30	29	57	86
10	09:30-09:45	18	8	6	31	10	09:30-09:45	2	3	33	38	09:30-09:45	31	38	69
11	09:45-10:00	15	7	10	33	11	09:45-10:00	1	3	39	43	09:45-10:00	33	43	76
12	10:00-10:15	17	7	11	36	12	10:00-10:15	3	1	23	26	10:00-10:15	36	26	62
Sunday-Evening Peak						Sunday-Evening Peak						Sunday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	12	5	3	21	13	04:15-04:30	5	5	44	54	04:15-04:30	21	54	74
14	02:30-02:45	11	5	1	18	14	04:30-04:45	4	5	52	62	04:30-04:45	18	62	79
15	02:45-03:00	10	4	1	15	15	04:45-05:00	2	3	58	63	04:45-05:00	15	63	78
16	03:00-03:15	5	2	8	15	16	05:00-05:15	3	4	41	48	05:00-05:15	15	48	64
17	03:15-03:30	12	5	3	21	17	05:15-05:30	3	3	45	51	05:15-05:30	21	51	72
18	03:30-03:45	10	4	7	22	18	05:30-05:45	3	6	45	53	05:30-05:45	22	53	75
19	03:45-04:00	15	6	1	23	19	05:45-06:00	3	3	41	47	05:45-06:00	23	47	69
20	04:00-04:15	13	6	4	23	20	06:00-06:15	4	4	44	52	06:00-06:15	23	52	75
21	04:15-04:30	12	5	9	27	21	06:15-06:30	4	6	27	36	06:15-06:30	27	36	63
22	04:30-04:45	12	5	8	25	22	06:30-06:45	2	5	40	47	06:30-06:45	25	47	72
23	04:45-05:00	11	5	7	23	23	06:45-07:00	2	4	21	27	06:45-07:00	23	27	50
24	05:00-05:15	12	5	8	25	24	07:00-07:15	2	3	20	24	07:00-07:15	25	24	50

DAY-8						DAY-8						DAY-8			
Monday-Morning Peak						Monday-Morning Peak						Monday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	39	19	96	154	1	07:15-07:30	23	25	252	299	07:15-07:30	154	299	453
2	07:30-07:45	47	20	107	175	2	07:30-07:45	25	27	292	344	07:30-07:45	175	344	519
3	07:45-08:00	52	25	53	130	3	07:45-08:00	33	28	333	394	07:45-08:00	130	394	523
4	08:00-08:15	64	28	84	175	4	08:00-08:15	31	20	203	255	08:00-08:15	175	255	430
5	08:15-08:30	76	34	91	200	5	08:15-08:30	26	31	269	326	08:15-08:30	200	326	526
6	08:30-08:45	79	35	119	233	6	08:30-08:45	18	23	247	288	08:30-08:45	233	288	521
7	08:45-09:00	73	28	39	140	7	08:45-09:00	16	28	353	396	08:45-09:00	140	396	536
8	09:00-09:15	65	29	35	130	8	09:00-09:15	10	20	232	262	09:00-09:15	130	262	392
9	09:15-09:30	59	25	27	112	9	09:15-09:30	11	19	164	194	09:15-09:30	112	194	306
10	09:30-09:45	54	28	23	105	10	09:30-09:45	9	13	106	128	09:30-09:45	105	128	233
11	09:45-10:00	35	23	38	97	11	09:45-10:00	7	8	124	139	09:45-10:00	97	139	236
12	10:00-10:15	55	20	32	107	12	10:00-10:15	8	5	70	83	10:00-10:15	107	83	191
Monday-Evening Peak						Monday-Evening Peak						Monday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	42	20	16	77	13	04:15-04:30	15	17	144	176	04:15-04:30	77	176	254
14	02:30-02:45	43	22	8	73	14	04:30-04:45	14	20	177	211	04:30-04:45	73	211	284
15	02:45-03:00	41	17	11	70	15	04:45-05:00	11	11	189	212	04:45-05:00	70	212	281
16	03:00-03:15	27	11	23	61	16	05:00-05:15	13	16	138	166	05:00-05:15	61	166	227
17	03:15-03:30	49	23	14	86	17	05:15-05:30	15	13	153	181	05:15-05:30	86	181	266
18	03:30-03:45	41	20	23	83	18	05:30-05:45	10	20	146	176	05:30-05:45	83	176	259
19	03:45-04:00	55	25	10	89	19	05:45-06:00	8	11	139	158	05:45-06:00	89	158	248
20	04:00-04:15	49	22	16	86	20	06:00-06:15	17	11	143	171	06:00-06:15	86	171	257
21	04:15-04:30	44	18	29	91	21	06:15-06:30	10	22	102	134	06:15-06:30	91	134	224
22	04:30-04:45	46	14	26	86	22	06:30-06:45	7	14	124	145	06:30-06:45	86	145	231
23	04:45-05:00	44	17	20	81	23	06:45-07:00	8	11	65	85	06:45-07:00	81	85	166
24	05:00-05:15	47	13	22	82	24	07:00-07:15	4	7	67	77	07:00-07:15	82	77	160

DAY-9						DAY-9						DAY-9			
Tuesday-Morning Peak						Tuesday-Morning Peak						Tuesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	37	15	96	148	1	07:15-07:30	25	23	237	286	07:15-07:30	148	286	434
2	07:30-07:45	45	16	101	161	2	07:30-07:45	27	26	284	337	07:30-07:45	161	337	499
3	07:45-08:00	49	20	45	114	3	07:45-08:00	31	29	319	380	07:45-08:00	114	380	494
4	08:00-08:15	57	22	88	166	4	08:00-08:15	28	28	198	253	08:00-08:15	166	253	419
5	08:15-08:30	67	25	90	182	5	08:15-08:30	23	35	257	316	08:15-08:30	182	316	499
6	08:30-08:45	68	25	110	203	6	08:30-08:45	20	20	230	270	08:30-08:45	203	270	473
7	08:45-09:00	57	23	34	113	7	08:45-09:00	17	33	341	392	08:45-09:00	113	392	505
8	09:00-09:15	58	23	29	111	8	09:00-09:15	11	19	217	247	09:00-09:15	111	247	358
9	09:15-09:30	50	21	21	92	9	09:15-09:30	13	22	139	174	09:15-09:30	92	174	266
10	09:30-09:45	52	19	22	92	10	09:30-09:45	11	13	95	119	09:30-09:45	92	119	211
11	09:45-10:00	47	16	32	95	11	09:45-10:00	10	11	112	133	09:45-10:00	95	133	228
12	10:00-10:15	52	18	35	104	12	10:00-10:15	11	7	56	74	10:00-10:15	104	74	179
Tuesday-Evening Peak						Tuesday-Evening Peak						Tuesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	37	15	13	64	13	04:15-04:30	19	22	137	178	04:15-04:30	64	178	242
14	02:30-02:45	33	13	9	55	14	04:30-04:45	19	25	167	211	04:30-04:45	55	211	266
15	02:45-03:00	28	11	10	49	15	04:45-05:00	13	15	170	199	04:45-05:00	49	199	247
16	03:00-03:15	12	7	31	50	16	05:00-05:15	16	17	125	158	05:00-05:15	50	158	208
17	03:15-03:30	37	16	14	67	17	05:15-05:30	14	14	140	169	05:15-05:30	67	169	236
18	03:30-03:45	29	12	26	67	18	05:30-05:45	17	18	137	172	05:30-05:45	67	172	239
19	03:45-04:00	43	17	11	71	19	05:45-06:00	16	13	133	161	05:45-06:00	71	161	232
20	04:00-04:15	39	16	17	73	20	06:00-06:15	20	16	131	167	06:00-06:15	73	167	240
21	04:15-04:30	37	14	33	85	21	06:15-06:30	21	26	95	143	06:15-06:30	85	143	227
22	04:30-04:45	33	11	28	73	22	06:30-06:45	15	22	121	157	06:30-06:45	73	157	230
23	04:45-05:00	28	10	23	62	23	06:45-07:00	11	20	70	101	06:45-07:00	62	101	163
24	05:00-05:15	27	11	26	65	24	07:00-07:15	8	11	65	85	07:00-07:15	65	85	150

DAY-10						DAY-10						DAY-10			
Wednesday-Morning Peak						Wednesday-Morning Peak						Wednesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	35	16	15	66	1	07:15-07:30	24	20	252	296	07:15-07:30	66	296	362
2	07:30-07:45	36	15	13	64	2	07:30-07:45	26	22	300	348	07:30-07:45	64	348	412
3	07:45-08:00	31	11	7	49	3	07:45-08:00	28	19	330	377	07:45-08:00	49	377	426
4	08:00-08:15	18	9	28	55	4	08:00-08:15	24	25	213	262	08:00-08:15	55	262	317
5	08:15-08:30	38	16	17	71	5	08:15-08:30	19	30	285	334	08:15-08:30	71	334	405
6	08:30-08:45	28	13	25	67	6	08:30-08:45	17	18	249	284	08:30-08:45	67	284	351
7	08:45-09:00	40	18	11	70	7	08:45-09:00	15	20	363	398	08:45-09:00	70	398	468
8	09:00-09:15	37	17	17	71	8	09:00-09:15	7	13	247	267	09:00-09:15	71	267	338
9	09:15-09:30	26	14	29	69	9	09:15-09:30	5	11	171	187	09:15-09:30	69	187	256
10	09:30-09:45	29	11	28	68	10	09:30-09:45	6	11	105	122	09:30-09:45	68	122	190
11	09:45-10:00	25	7	28	59	11	09:45-10:00	5	6	126	137	09:45-10:00	59	137	197
12	10:00-10:15	22	8	25	55	12	10:00-10:15	2	4	66	72	10:00-10:15	55	72	127
Wednesday-Evening Peak						Wednesday-Evening Peak						Wednesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	34	16	17	68	13	04:15-04:30	14	19	138	172	04:15-04:30	68	172	239
14	02:30-02:45	36	15	14	65	14	04:30-04:45	16	19	179	214	04:30-04:45	65	214	278
15	02:45-03:00	30	12	13	55	15	04:45-05:00	11	11	188	211	04:45-05:00	55	211	265
16	03:00-03:15	18	9	28	55	16	05:00-05:15	11	14	132	157	05:00-05:15	55	157	212
17	03:15-03:30	36	15	17	68	17	05:15-05:30	13	16	143	172	05:15-05:30	68	172	240
18	03:30-03:45	27	14	24	65	18	05:30-05:45	11	14	145	170	05:30-05:45	65	170	236
19	03:45-04:00	39	18	14	71	19	05:45-06:00	10	11	151	172	05:45-06:00	71	172	243
20	04:00-04:15	36	16	17	69	20	06:00-06:15	17	8	149	175	06:00-06:15	69	175	244
21	04:15-04:30	27	16	27	70	21	06:15-06:30	16	19	117	151	06:15-06:30	70	151	221
22	04:30-04:45	30	12	26	68	22	06:30-06:45	11	17	124	152	06:30-06:45	68	152	220
23	04:45-05:00	26	9	25	59	23	06:45-07:00	8	11	85	104	06:45-07:00	59	104	164
24	05:00-05:15	23	7	25	55	24	07:00-07:15	6	5	71	82	07:00-07:15	55	82	137

DAY-11						DAY-11						DAY-11			
Thursday-Morning Peak						Thursday-Morning Peak						Thursday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi moor	Pindora	Total-Ridership
1	07:15-07:30	43	21	81	145	1	07:15-07:30	25	23	249	298	07:15-07:30	145	298	443
2	07:30-07:45	48	22	89	159	2	07:30-07:45	28	30	291	349	07:30-07:45	159	349	508
3	07:45-08:00	57	25	49	130	3	07:45-08:00	32	25	319	376	07:45-08:00	130	376	506
4	08:00-08:15	66	28	68	163	4	08:00-08:15	31	32	211	274	08:00-08:15	163	274	437
5	08:15-08:30	72	31	78	181	5	08:15-08:30	26	36	266	328	08:15-08:30	181	328	509
6	08:30-08:45	78	35	87	200	6	08:30-08:45	25	29	247	300	08:30-08:45	200	300	500
7	08:45-09:00	71	25	33	129	7	08:45-09:00	22	31	352	405	08:45-09:00	129	405	534
8	09:00-09:15	59	28	31	118	8	09:00-09:15	14	25	224	263	09:00-09:15	118	263	382
9	09:15-09:30	67	25	22	114	9	09:15-09:30	13	22	162	197	09:15-09:30	114	197	311
10	09:30-09:45	61	22	19	102	10	09:30-09:45	15	23	95	134	09:30-09:45	102	134	236
11	09:45-10:00	55	20	18	92	11	09:45-10:00	11	17	101	129	09:45-10:00	92	129	221
12	10:00-10:15	50	19	16	84	12	10:00-10:15	10	11	61	82	10:00-10:15	84	82	166
Thursday-Evening Peak						Thursday-Evening Peak						Thursday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	37	25	12	74	13	04:15-04:30	16	14	147	177	04:15-04:30	74	177	251
14	02:30-02:45	35	23	11	70	14	04:30-04:45	15	13	190	217	04:30-04:45	70	217	287
15	02:45-03:00	39	20	10	69	15	04:45-05:00	12	13	188	213	04:45-05:00	69	213	282
16	03:00-03:15	29	16	22	67	16	05:00-05:15	11	12	157	180	05:00-05:15	67	180	247
17	03:15-03:30	40	24	13	77	17	05:15-05:30	14	16	161	191	05:15-05:30	77	191	268
18	03:30-03:45	36	22	21	79	18	05:30-05:45	13	19	160	192	05:30-05:45	79	192	271
19	03:45-04:00	48	26	10	84	19	05:45-06:00	9	10	151	170	05:45-06:00	84	170	254
20	04:00-04:15	42	23	11	76	20	06:00-06:15	19	7	148	174	06:00-06:15	76	174	250
21	04:15-04:30	31	19	22	71	21	06:15-06:30	12	10	117	139	06:15-06:30	71	139	211
22	04:30-04:45	34	23	19	76	22	06:30-06:45	9	11	121	142	06:30-06:45	76	142	217
23	04:45-05:00	28	17	14	60	23	06:45-07:00	7	6	88	101	06:45-07:00	60	101	161
24	05:00-05:15	26	14	19	59	24	07:00-07:15	3	4	74	81	07:00-07:15	59	81	140

DAY-12						DAY-12						DAY-12			
Friday-Morning Peak						Friday-Morning Peak						Friday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi moor	Pindora	Total-Ridership
1	07:15-07:30	41	20	76	138	1	07:15-07:30	23	20	236	280	07:15-07:30	138	280	418
2	07:30-07:45	45	19	83	147	2	07:30-07:45	26	26	285	337	07:30-07:45	147	337	484
3	07:45-08:00	56	22	46	124	3	07:45-08:00	31	28	313	371	07:45-08:00	124	371	496
4	08:00-08:15	62	26	64	153	4	08:00-08:15	34	32	217	283	08:00-08:15	153	283	436
5	08:15-08:30	68	28	71	167	5	08:15-08:30	29	34	257	321	08:15-08:30	167	321	488
6	08:30-08:45	70	31	77	178	6	08:30-08:45	30	33	232	295	08:30-08:45	178	295	473
7	08:45-09:00	71	21	29	122	7	08:45-09:00	28	37	340	406	08:45-09:00	122	406	527
8	09:00-09:15	61	24	28	113	8	09:00-09:15	18	25	215	259	09:00-09:15	113	259	371
9	09:15-09:30	63	20	22	105	9	09:15-09:30	14	20	157	191	09:15-09:30	105	191	296
10	09:30-09:45	58	21	17	96	10	09:30-09:45	13	17	101	131	09:30-09:45	96	131	227
11	09:45-10:00	55	17	16	88	11	09:45-10:00	10	14	95	119	09:45-10:00	88	119	207
12	10:00-10:15	52	14	14	80	12	10:00-10:15	7	8	65	80	10:00-10:15	80	80	161
Friday-Evening Peak						Friday-Evening Peak						Friday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	36	21	13	70	13	04:15-04:30	18	20	139	178	04:15-04:30	70	178	247
14	02:30-02:45	33	19	9	61	14	04:30-04:45	20	19	175	213	04:30-04:45	61	213	274
15	02:45-03:00	34	22	13	69	15	04:45-05:00	21	23	180	224	04:45-05:00	69	224	293
16	03:00-03:15	32	17	20	70	16	05:00-05:15	20	24	150	194	05:00-05:15	70	194	263
17	03:15-03:30	37	28	14	79	17	05:15-05:30	23	21	151	196	05:15-05:30	79	196	275
18	03:30-03:45	31	23	16	71	18	05:30-05:45	19	28	146	192	05:30-05:45	71	192	263
19	03:45-04:00	44	28	12	83	19	05:45-06:00	17	17	149	184	05:45-06:00	83	184	268
20	04:00-04:15	38	25	13	77	20	06:00-06:15	29	14	140	183	06:00-06:15	77	183	260
21	04:15-04:30	28	17	19	64	21	06:15-06:30	20	14	107	141	06:15-06:30	64	141	205
22	04:30-04:45	28	17	16	61	22	06:30-06:45	17	17	97	131	06:30-06:45	61	131	192
23	04:45-05:00	23	14	12	50	23	06:45-07:00	15	14	83	112	06:45-07:00	50	112	162
24	05:00-05:15	20	16	13	48	24	07:00-07:15	13	16	70	98	07:00-07:15	48	98	146

DAY-13						DAY-13						DAY-13			
Saturday-Morning Peak						Saturday-Morning Peak						Saturday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	14	7	34	54	1	07:15-07:30	8	9	88	105	07:15-07:30	54	105	159
2	07:30-07:45	17	7	38	61	2	07:30-07:45	9	9	102	120	07:30-07:45	61	120	182
3	07:45-08:00	18	9	19	45	3	07:45-08:00	12	10	117	138	07:45-08:00	45	138	183
4	08:00-08:15	22	10	29	61	4	08:00-08:15	11	7	71	89	08:00-08:15	61	89	151
5	08:15-08:30	26	12	32	70	5	08:15-08:30	9	11	94	114	08:15-08:30	70	114	184
6	08:30-08:45	28	12	42	81	6	08:30-08:45	6	8	86	101	08:30-08:45	81	101	182
7	08:45-09:00	26	10	14	49	7	08:45-09:00	5	10	123	139	08:45-09:00	49	139	188
8	09:00-09:15	23	10	12	46	8	09:00-09:15	4	7	81	92	09:00-09:15	46	92	137
9	09:15-09:30	21	9	9	39	9	09:15-09:30	4	7	58	68	09:15-09:30	39	68	107
10	09:30-09:45	19	10	8	37	10	09:30-09:45	3	5	37	45	09:30-09:45	37	45	82
11	09:45-10:00	12	8	13	34	11	09:45-10:00	2	3	43	49	09:45-10:00	34	49	83
12	10:00-10:15	19	7	11	38	12	10:00-10:15	3	2	24	29	10:00-10:15	38	29	67
Saturday-Evening Peak						Saturday-Evening Peak						Saturday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	15	7	5	27	13	04:15-04:30	5	6	50	62	04:15-04:30	27	62	89
14	02:30-02:45	15	8	3	26	14	04:30-04:45	5	7	62	74	04:30-04:45	26	74	100
15	02:45-03:00	14	6	4	24	15	04:45-05:00	4	4	66	74	04:45-05:00	24	74	98
16	03:00-03:15	9	4	8	21	16	05:00-05:15	4	5	48	58	05:00-05:15	21	58	80
17	03:15-03:30	17	8	5	30	17	05:15-05:30	5	4	54	63	05:15-05:30	30	63	93
18	03:30-03:45	14	7	8	29	18	05:30-05:45	3	7	51	62	05:30-05:45	29	62	91
19	03:45-04:00	19	9	3	31	19	05:45-06:00	3	4	49	55	05:45-06:00	31	55	87
20	04:00-04:15	17	8	5	30	20	06:00-06:15	6	4	50	60	06:00-06:15	30	60	90
21	04:15-04:30	15	6	10	32	21	06:15-06:30	4	8	36	47	06:15-06:30	32	47	79
22	04:30-04:45	16	5	9	30	22	06:30-06:45	2	5	43	51	06:30-06:45	30	51	81
23	04:45-05:00	15	6	7	28	23	06:45-07:00	3	4	23	30	06:45-07:00	28	30	58
24	05:00-05:15	17	5	8	29	24	07:00-07:15	1	2	23	27	07:00-07:15	29	27	56

DAY-14						DAY-14						DAY-14			
Sunday-Morning Peak						Sunday-Morning Peak						Sunday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	12	6	29	46	1	07:15-07:30	7	7	76	90	07:15-07:30	46	90	136
2	07:30-07:45	14	6	32	53	2	07:30-07:45	7	8	88	103	07:30-07:45	53	103	156
3	07:45-08:00	15	7	16	39	3	07:45-08:00	10	8	100	118	07:45-08:00	39	118	157
4	08:00-08:15	19	8	25	53	4	08:00-08:15	9	6	61	77	08:00-08:15	53	77	129
5	08:15-08:30	23	10	27	60	5	08:15-08:30	8	9	81	98	08:15-08:30	60	98	158
6	08:30-08:45	24	11	36	70	6	08:30-08:45	5	7	74	86	08:30-08:45	70	86	156
7	08:45-09:00	22	8	12	42	7	08:45-09:00	5	8	106	119	08:45-09:00	42	119	161
8	09:00-09:15	20	9	11	39	8	09:00-09:15	3	6	69	78	09:00-09:15	39	78	118
9	09:15-09:30	18	8	8	33	9	09:15-09:30	3	6	49	58	09:15-09:30	33	58	92
10	09:30-09:45	16	8	7	32	10	09:30-09:45	3	4	32	39	09:30-09:45	32	39	70
11	09:45-10:00	11	7	12	29	11	09:45-10:00	2	3	37	42	09:45-10:00	29	42	71
12	10:00-10:15	16	6	10	32	12	10:00-10:15	3	2	21	25	10:00-10:15	32	25	57
Sunday-Evening Peak						Sunday-Evening Peak						Sunday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	13	6	5	21	13	04:15-04:30	5	5	43	54	04:15-04:30	23	53	76
14	02:30-02:45	13	6	3	18	14	04:30-04:45	4	6	53	62	04:30-04:45	22	63	85
15	02:45-03:00	12	5	3	15	15	04:45-05:00	3	3	57	63	04:45-05:00	21	64	84
16	03:00-03:15	8	3	7	15	16	05:00-05:15	4	5	41	48	05:00-05:15	18	50	68
17	03:15-03:30	15	7	4	21	17	05:15-05:30	5	4	46	51	05:15-05:30	26	54	80
18	03:30-03:45	12	6	7	22	18	05:30-05:45	3	6	44	53	05:30-05:45	25	53	78
19	03:45-04:00	16	8	3	23	19	05:45-06:00	3	3	42	47	05:45-06:00	27	48	74
20	04:00-04:15	15	6	5	23	20	06:00-06:15	5	3	43	52	06:00-06:15	26	51	77
21	04:15-04:30	13	5	9	27	21	06:15-06:30	3	6	31	36	06:15-06:30	27	40	67
22	04:30-04:45	14	4	8	25	22	06:30-06:45	2	4	37	47	06:30-06:45	26	44	69
23	04:45-05:00	13	5	6	23	23	06:45-07:00	3	3	20	27	06:45-07:00	24	26	50
24	05:00-05:15	14	4	6	25	24	07:00-07:15	1	2	20	24	07:00-07:15	25	23	48

APPENDIX – IV: RIDERSHIP DATA
(ROUTE B – ISLAMABAD EXPRESSWAY)

For UP Direction

RIDERSHIP SURVEY FORM						RIDERSHIP SURVEY FORM						RIDERSHIP SURVEY FORM			
time interval:15 min			Corridor: Expressway			time interval:15 min			Corridor: Expressway			time interval:15 min		Corridor: Expressway	
No of Days= 10 Weekday + 4 Weekend days			Station: Koral Chowk			No of Days= 10 Weekday + 4 Weekend days			Station: Faizabad			# of Days= 10 Weekday + 4 Weekend days		Direction of Traffic: UP	
Direction of Traffic: UP			Observer: Hamid Khan			Direction of Traffic: UP			Observer: Sufian Khan						
DAY-1						DAY-1						DAY-1			
Monday-Morning Peak						Monday-Morning Peak						Monday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	52	30	67	148	1	07:15-07:30	81	108	81	271	07:15-07:30	148	271	419
2	07:30-07:45	54	31	69	154	2	07:30-07:45	86	114	86	285	07:30-07:45	154	285	439
3	07:45-08:00	57	33	74	164	3	07:45-08:00	88	117	88	294	07:45-08:00	164	294	457
4	08:00-08:15	57	33	74	164	4	08:00-08:15	88	117	88	294	08:00-08:15	164	294	457
5	08:15-08:30	59	34	75	168	5	08:15-08:30	94	125	94	313	08:15-08:30	168	313	480
6	08:30-08:45	59	34	75	168	6	08:30-08:45	94	125	94	313	08:30-08:45	168	313	480
7	08:45-09:00	72	41	92	205	7	08:45-09:00	95	127	95	318	08:45-09:00	205	318	523
8	09:00-09:15	72	41	92	205	8	09:00-09:15	95	127	95	318	09:00-09:15	205	318	523
9	09:15-09:30	92	53	118	263	9	09:15-09:30	108	144	108	360	09:15-09:30	263	360	623
10	09:30-09:45	92	53	118	263	10	09:30-09:45	108	144	108	360	09:30-09:45	263	360	623
11	09:45-10:00	86	49	110	246	11	09:45-10:00	80	107	80	268	09:45-10:00	246	268	514
12	10:00-10:15	86	49	110	246	12	10:00-10:15	80	107	80	268	10:00-10:15	246	268	514
Monday-Evening Peak						Monday-Evening Peak						Monday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	04:15-04:30	52	90	116	258	13	04:15-04:30	103	77	77	258	04:15-04:30	258	258	516
14	04:30-04:45	52	90	116	258	14	04:30-04:45	103	77	77	258	04:30-04:45	258	258	516
15	04:45-05:00	51	90	115	256	15	04:45-05:00	112	84	84	280	04:45-05:00	256	280	536
16	05:00-05:15	51	90	115	256	16	05:00-05:15	112	84	84	280	05:00-05:15	256	280	536
17	05:15-05:30	39	67	87	193	17	05:15-05:30	122	92	92	306	05:15-05:30	193	306	498
18	05:30-05:45	39	67	87	193	18	05:30-05:45	122	92	92	306	05:30-05:45	193	306	498
19	05:45-06:00	47	81	105	233	19	05:45-06:00	85	64	64	212	05:45-06:00	233	212	445
20	06:00-06:15	47	81	105	233	20	06:00-06:15	85	64	64	212	06:00-06:15	233	212	445
21	06:15-06:30	31	55	71	157	21	06:15-06:30	72	54	54	180	06:15-06:30	157	180	337
22	06:30-06:45	31	55	71	157	22	06:30-06:45	72	54	54	180	06:30-06:45	157	180	337
23	06:45-07:00	12	20	26	59	23	06:45-07:00	60	45	45	151	06:45-07:00	59	151	210
24	07:00-07:15	12	20	26	59	24	07:00-07:15	60	45	45	151	07:00-07:15	59	151	210

DAY-2						DAY-2						DAY-2			
Tuesday-Morning Peak						Tuesday-Morning Peak						Tuesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	50	28	64	142	1	07:15-07:30	78	104	78	260	07:15-07:30	142	260	402
2	07:30-07:45	52	30	67	148	2	07:30-07:45	82	109	82	274	07:30-07:45	148	274	421
3	07:45-08:00	55	31	71	157	3	07:45-08:00	85	113	85	282	07:45-08:00	157	282	439
4	08:00-08:15	55	31	71	157	4	08:00-08:15	85	113	85	282	08:00-08:15	157	282	439
5	08:15-08:30	56	32	72	161	5	08:15-08:30	90	120	90	300	08:15-08:30	161	300	461
6	08:30-08:45	56	32	72	161	6	08:30-08:45	90	120	90	300	08:30-08:45	161	300	461
7	08:45-09:00	69	39	88	196	7	08:45-09:00	92	122	92	305	08:45-09:00	196	305	502
8	09:00-09:15	69	39	88	196	8	09:00-09:15	92	122	92	305	09:00-09:15	196	305	502
9	09:15-09:30	88	50	114	252	9	09:15-09:30	104	138	104	346	09:15-09:30	252	346	598
10	09:30-09:45	88	50	114	252	10	09:30-09:45	104	138	104	346	09:30-09:45	252	346	598
11	09:45-10:00	82	47	106	236	11	09:45-10:00	77	103	77	257	09:45-10:00	236	257	493
12	10:00-10:15	82	47	106	236	12	10:00-10:15	77	103	77	257	10:00-10:15	236	257	493
Tuesday-Evening Peak						Tuesday-Evening Peak						Tuesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	02:15-02:30	49	87	111	247	13	04:15-04:30	99	74	74	248	04:15-04:30	247	248	495
14	02:30-02:45	49	87	111	247	14	04:30-04:45	99	74	74	248	04:30-04:45	247	248	495
15	02:45-03:00	49	86	111	246	15	04:45-05:00	108	81	81	269	04:45-05:00	246	269	515
16	03:00-03:15	49	86	111	246	16	05:00-05:15	108	81	81	269	05:00-05:15	246	269	515
17	03:15-03:30	37	65	83	185	17	05:15-05:30	117	88	88	293	05:15-05:30	185	293	478
18	03:30-03:45	37	65	83	185	18	05:30-05:45	117	88	88	293	05:30-05:45	185	293	478
19	03:45-04:00	45	78	100	223	19	05:45-06:00	81	61	61	204	05:45-06:00	223	204	427
20	04:00-04:15	45	78	100	223	20	06:00-06:15	81	61	61	204	06:00-06:15	223	204	427
21	04:15-04:30	30	53	68	151	21	06:15-06:30	69	52	52	173	06:15-06:30	151	173	324
22	04:30-04:45	30	53	68	151	22	06:30-06:45	69	52	52	173	06:30-06:45	151	173	324
23	04:45-05:00	11	20	25	56	23	06:45-07:00	58	43	43	145	06:45-07:00	56	145	201
24	05:00-05:15	11	20	25	56	24	07:00-07:15	58	43	43	145	07:00-07:15	56	145	201

DAY-3						DAY-3						DAY-3			
Wednesday-Morning Peak						Wednesday-Morning Peak						Wednesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	50	29	65	144	1	07:15-07:30	79	105	79	263	07:15-07:30	144	263	406
2	07:30-07:45	52	30	67	149	2	07:30-07:45	83	111	83	276	07:30-07:45	149	276	426
3	07:45-08:00	56	32	71	159	3	07:45-08:00	85	114	85	285	07:45-08:00	159	285	443
4	08:00-08:15	56	32	71	159	4	08:00-08:15	85	114	85	285	08:00-08:15	159	285	443
5	08:15-08:30	57	32	73	162	5	08:15-08:30	91	121	91	303	08:15-08:30	162	303	466
6	08:30-08:45	57	32	73	162	6	08:30-08:45	91	121	91	303	08:30-08:45	162	303	466
7	08:45-09:00	69	40	89	198	7	08:45-09:00	93	123	93	308	08:45-09:00	198	308	507
8	09:00-09:15	69	40	89	198	8	09:00-09:15	93	123	93	308	09:00-09:15	198	308	507
9	09:15-09:30	89	51	115	255	9	09:15-09:30	105	140	105	349	09:15-09:30	255	349	604
10	09:30-09:45	89	51	115	255	10	09:30-09:45	105	140	105	349	09:30-09:45	255	349	604
11	09:45-10:00	83	48	107	238	11	09:45-10:00	78	104	78	260	09:45-10:00	238	260	498
12	10:00-10:15	83	48	107	238	12	10:00-10:15	78	104	78	260	10:00-10:15	238	260	498
Wednesday-Evening Peak						Wednesday-Evening Peak						Wednesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	02:15-02:30	50	87	112	250	13	04:15-04:30	100	75	75	250	04:15-04:30	250	250	500
14	02:30-02:45	50	87	112	250	14	04:30-04:45	100	75	75	250	04:30-04:45	250	250	500
15	02:45-03:00	50	87	112	248	15	04:45-05:00	109	81	81	272	04:45-05:00	248	272	520
16	03:00-03:15	50	87	112	248	16	05:00-05:15	109	81	81	272	05:00-05:15	248	272	520
17	03:15-03:30	37	65	84	187	17	05:15-05:30	119	89	89	296	05:15-05:30	187	296	483
18	03:30-03:45	37	65	84	187	18	05:30-05:45	119	89	89	296	05:30-05:45	187	296	483
19	03:45-04:00	45	79	101	226	19	05:45-06:00	82	62	62	206	05:45-06:00	226	206	431
20	04:00-04:15	45	79	101	226	20	06:00-06:15	82	62	62	206	06:00-06:15	226	206	431
21	04:15-04:30	30	53	69	152	21	06:15-06:30	70	52	52	175	06:15-06:30	152	175	327
22	04:30-04:45	30	53	69	152	22	06:30-06:45	70	52	52	175	06:30-06:45	152	175	327
23	04:45-05:00	11	20	26	57	23	06:45-07:00	59	44	44	146	06:45-07:00	57	146	203
24	05:00-05:15	11	20	26	57	24	07:00-07:15	59	44	44	146	07:00-07:15	57	146	203

DAY-4						DAY-4						DAY-4				
Thursday-Morning Peak						Thursday-Morning Peak						Thursday-Morning Peak				
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership	
1	07:15-07:30	51	29	65	145	1	07:15-07:30	80	106	80	266	07:15-07:30	145	266	411	
2	07:30-07:45	53	30	68	151	2	07:30-07:45	84	112	84	279	07:30-07:45	151	279	430	
3	07:45-08:00	56	32	72	160	3	07:45-08:00	86	115	86	288	07:45-08:00	160	288	448	
4	08:00-08:15	56	32	72	160	4	08:00-08:15	86	115	86	288	08:00-08:15	160	288	448	
5	08:15-08:30	57	33	74	164	5	08:15-08:30	92	123	92	306	08:15-08:30	164	306	470	
6	08:30-08:45	57	33	74	164	6	08:30-08:45	92	123	92	306	08:30-08:45	164	306	470	
7	08:45-09:00	70	40	90	200	7	08:45-09:00	93	125	93	312	08:45-09:00	200	312	512	
8	09:00-09:15	70	40	90	200	8	09:00-09:15	93	125	93	312	09:00-09:15	200	312	512	
9	09:15-09:30	90	52	116	258	9	09:15-09:30	106	141	106	353	09:15-09:30	258	353	611	
10	09:30-09:45	90	52	116	258	10	09:30-09:45	106	141	106	353	09:30-09:45	258	353	611	
11	09:45-10:00	84	48	108	241	11	09:45-10:00	79	105	79	263	09:45-10:00	241	263	503	
12	10:00-10:15	84	48	108	241	12	10:00-10:15	79	105	79	263	10:00-10:15	241	263	503	
Thursday-Evening Peak						Thursday-Evening Peak						Thursday-Evening Peak				
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership	
13	02:15-02:30	50	88	114	252	13	04:15-04:30	101	76	76	253	04:15-04:30	252	253	505	
14	02:30-02:45	50	88	114	252	14	04:30-04:45	101	76	76	253	04:30-04:45	252	253	505	
15	02:45-03:00	50	88	113	251	15	04:45-05:00	110	82	82	274	04:45-05:00	251	274	525	
16	03:00-03:15	50	88	113	251	16	05:00-05:15	110	82	82	274	05:00-05:15	251	274	525	
17	03:15-03:30	38	66	85	189	17	05:15-05:30	120	90	90	299	05:15-05:30	189	299	488	
18	03:30-03:45	38	66	85	189	18	05:30-05:45	120	90	90	299	05:30-05:45	189	299	488	
19	03:45-04:00	46	80	103	228	19	05:45-06:00	83	62	62	208	05:45-06:00	228	208	436	
20	04:00-04:15	46	80	103	228	20	06:00-06:15	83	62	62	208	06:00-06:15	228	208	436	
21	04:15-04:30	31	54	69	154	21	06:15-06:30	71	53	53	176	06:15-06:30	154	176	330	
22	04:30-04:45	31	54	69	154	22	06:30-06:45	71	53	53	176	06:30-06:45	154	176	330	
23	04:45-05:00	11	20	26	57	23	06:45-07:00	59	44	44	148	06:45-07:00	57	148	205	
24	05:00-05:15	11	20	26	57	24	07:00-07:15	59	44	44	148	07:00-07:15	57	148	205	

DAY-5						DAY-5						DAY-5			
Friday-Morning Peak						Friday-Morning Peak						Friday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	49	28	63	141	1	07:15-07:30	77	103	77	257	07:15-07:30	141	257	398
2	07:30-07:45	51	29	66	146	2	07:30-07:45	81	108	81	271	07:30-07:45	146	271	417
3	07:45-08:00	54	31	70	155	3	07:45-08:00	84	112	84	279	07:45-08:00	155	279	434
4	08:00-08:15	54	31	70	155	4	08:00-08:15	84	112	84	279	08:00-08:15	155	279	434
5	08:15-08:30	56	32	72	159	5	08:15-08:30	89	119	89	297	08:15-08:30	159	297	456
6	08:30-08:45	56	32	72	159	6	08:30-08:45	89	119	89	297	08:30-08:45	159	297	456
7	08:45-09:00	68	39	87	194	7	08:45-09:00	91	121	91	302	08:45-09:00	194	302	496
8	09:00-09:15	68	39	87	194	8	09:00-09:15	91	121	91	302	09:00-09:15	194	302	496
9	09:15-09:30	87	50	112	250	9	09:15-09:30	103	137	103	342	09:15-09:30	250	342	592
10	09:30-09:45	87	50	112	250	10	09:30-09:45	103	137	103	342	09:30-09:45	250	342	592
11	09:45-10:00	82	47	105	233	11	09:45-10:00	76	102	76	255	09:45-10:00	233	255	488
12	10:00-10:15	82	47	105	233	12	10:00-10:15	76	102	76	255	10:00-10:15	233	255	488
Friday-Evening Peak						Friday-Evening Peak						Friday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	04:15-04:30	49	86	110	245	13	04:15-04:30	98	74	74	245	04:15-04:30	245	245	490
14	04:30-04:45	49	86	110	245	14	04:30-04:45	98	74	74	245	04:30-04:45	245	245	490
15	04:45-05:00	49	85	109	243	15	04:45-05:00	106	80	80	266	04:45-05:00	243	266	509
16	05:00-05:15	49	85	109	243	16	05:00-05:15	106	80	80	266	05:00-05:15	243	266	509
17	05:15-05:30	37	64	82	183	17	05:15-05:30	116	87	87	290	05:15-05:30	183	290	473
18	05:30-05:45	37	64	82	183	18	05:30-05:45	116	87	87	290	05:30-05:45	183	290	473
19	05:45-06:00	44	77	99	221	19	05:45-06:00	81	60	60	201	05:45-06:00	221	201	422
20	06:00-06:15	44	77	99	221	20	06:00-06:15	81	60	60	201	06:00-06:15	221	201	422
21	06:15-06:30	30	52	67	149	21	06:15-06:30	68	51	51	171	06:15-06:30	149	171	320
22	06:30-06:45	30	52	67	149	22	06:30-06:45	68	51	51	171	06:30-06:45	149	171	320
23	06:45-07:00	11	19	25	56	23	06:45-07:00	57	43	43	143	06:45-07:00	56	143	199
24	07:00-07:15	11	19	25	56	24	07:00-07:15	57	43	43	143	07:00-07:15	56	143	199

DAY-6						DAY-6						DAY-6			
Saturday-Morning Peak						Saturday-Morning Peak						Saturday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	18	10	23	52	1	07:15-07:30	28	38	28	95	07:15-07:30	52	95	147
2	07:30-07:45	19	11	24	54	2	07:30-07:45	30	40	30	100	07:30-07:45	54	100	154
3	07:45-08:00	20	11	26	57	3	07:45-08:00	31	41	31	103	07:45-08:00	57	103	160
4	08:00-08:15	20	11	26	57	4	08:00-08:15	31	41	31	103	08:00-08:15	57	103	160
5	08:15-08:30	21	12	26	59	5	08:15-08:30	33	44	33	109	08:15-08:30	59	109	168
6	08:30-08:45	21	12	26	59	6	08:30-08:45	33	44	33	109	08:30-08:45	59	109	168
7	08:45-09:00	25	14	32	72	7	08:45-09:00	33	45	33	111	08:45-09:00	72	111	183
8	09:00-09:15	25	14	32	72	8	09:00-09:15	33	45	33	111	09:00-09:15	72	111	183
9	09:15-09:30	32	18	41	92	9	09:15-09:30	38	50	38	126	09:15-09:30	92	126	218
10	09:30-09:45	32	18	41	92	10	09:30-09:45	38	50	38	126	09:30-09:45	92	126	218
11	09:45-10:00	30	17	39	86	11	09:45-10:00	28	38	28	94	09:45-10:00	86	94	180
12	10:00-10:15	30	17	39	86	12	10:00-10:15	28	38	28	94	10:00-10:15	86	94	180
Saturday-Evening Peak						Saturday-Evening Peak						Saturday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	18	32	41	90	13	04:15-04:30	36	27	27	90	04:15-04:30	90	90	180
14	02:30-02:45	18	32	41	90	14	04:30-04:45	36	27	27	90	04:30-04:45	90	90	180
15	02:45-03:00	18	31	40	90	15	04:45-05:00	39	29	29	98	04:45-05:00	90	98	188
16	03:00-03:15	18	31	40	90	16	05:00-05:15	39	29	29	98	05:00-05:15	90	98	188
17	03:15-03:30	13	24	30	67	17	05:15-05:30	43	32	32	107	05:15-05:30	67	107	174
18	03:30-03:45	13	24	30	67	18	05:30-05:45	43	32	32	107	05:30-05:45	67	107	174
19	03:45-04:00	16	28	37	81	19	05:45-06:00	30	22	22	74	05:45-06:00	81	74	156
20	04:00-04:15	16	28	37	81	20	06:00-06:15	30	22	22	74	06:00-06:15	81	74	156
21	04:15-04:30	11	19	25	55	21	06:15-06:30	25	19	19	63	06:15-06:30	55	63	118
22	04:30-04:45	11	19	25	55	22	06:30-06:45	25	19	19	63	06:30-06:45	55	63	118
23	04:45-05:00	4	7	9	20	23	06:45-07:00	21	16	16	53	06:45-07:00	20	53	73
24	05:00-05:15	4	7	9	20	24	07:00-07:15	21	16	16	53	07:00-07:15	20	53	73

DAY-7						DAY-7						DAY-7			
Sunday-Morning Peak						Sunday-Morning Peak						Sunday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Dakkhana Stop	G-11 Chowk	Total-Ridership
1	07:15-07:30	16	9	20	44	1	07:15-07:30	24	33	24	81	07:15-07:30	44	81	126
2	07:30-07:45	16	9	21	46	2	07:30-07:45	26	34	26	86	07:30-07:45	46	86	132
3	07:45-08:00	17	10	22	49	3	07:45-08:00	26	35	26	88	07:45-08:00	49	88	137
4	08:00-08:15	17	10	22	49	4	08:00-08:15	26	35	26	88	08:00-08:15	49	88	137
5	08:15-08:30	18	10	23	50	5	08:15-08:30	28	38	28	94	08:15-08:30	50	94	144
6	08:30-08:45	18	10	23	50	6	08:30-08:45	28	38	28	94	08:30-08:45	50	94	144
7	08:45-09:00	21	12	28	61	7	08:45-09:00	29	38	29	95	08:45-09:00	61	95	157
8	09:00-09:15	21	12	28	61	8	09:00-09:15	29	38	29	95	09:00-09:15	61	95	157
9	09:15-09:30	28	16	36	79	9	09:15-09:30	32	43	32	108	09:15-09:30	79	108	187
10	09:30-09:45	28	16	36	79	10	09:30-09:45	32	43	32	108	09:30-09:45	79	108	187
11	09:45-10:00	26	15	33	74	11	09:45-10:00	24	32	24	80	09:45-10:00	74	80	154
12	10:00-10:15	26	15	33	74	12	10:00-10:15	24	32	24	80	10:00-10:15	74	80	154
Sunday-Evening Peak						Sunday-Evening Peak						Sunday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	02:15-02:30	15	27	35	77	13	04:15-04:30	31	23	23	77	04:15-04:30	77	77	154.65
14	02:30-02:45	15	27	35	77	14	04:30-04:45	31	23	23	77	04:30-04:45	77	77	154.65
15	02:45-03:00	15	27	35	77	15	04:45-05:00	34	25	25	84	04:45-05:00	77	84	160.8
16	03:00-03:15	15	27	35	77	16	05:00-05:15	34	25	25	84	05:00-05:15	77	84	160.8
17	03:15-03:30	12	20	26	58	17	05:15-05:30	37	27	27	92	05:15-05:30	58	92	149.4
18	03:30-03:45	12	20	26	58	18	05:30-05:45	37	27	27	92	05:30-05:45	58	92	149.4
19	03:45-04:00	14	24	31	70	19	05:45-06:00	25	19	19	64	05:45-06:00	70	64	133.35
20	04:00-04:15	14	24	31	70	20	06:00-06:15	25	19	19	64	06:00-06:15	70	64	133.35
21	04:15-04:30	9	16	21	47	21	06:15-06:30	22	16	16	54	06:15-06:30	47	54	101.1
22	04:30-04:45	9	16	21	47	22	06:30-06:45	22	16	16	54	06:30-06:45	47	54	101.1
23	04:45-05:00	4	6	8	18	23	06:45-07:00	18	14	14	45	06:45-07:00	18	45	62.85
24	05:00-05:15	4	6	8	18	24	07:00-07:15	18	14	14	45	07:00-07:15	18	45	62.85

DAY-8						DAY-8						DAY-8			
Monday-Morning Peak						Monday-Morning Peak						Monday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	50	32	70	152	1	07:15-07:30	82	109	82	274	07:15-07:30	152	274	426
2	07:30-07:45	57	35	72	164	2	07:30-07:45	86	115	86	288	07:30-07:45	164	288	452
3	07:45-08:00	60	36	78	174	3	07:45-08:00	89	119	89	296	07:45-08:00	174	296	470
4	08:00-08:15	61	37	80	178	4	08:00-08:15	89	119	89	296	08:00-08:15	178	296	474
5	08:15-08:30	63	38	77	178	5	08:15-08:30	95	126	95	316	08:15-08:30	178	316	494
6	08:30-08:45	65	37	79	181	6	08:30-08:45	95	126	95	316	08:30-08:45	181	316	497
7	08:45-09:00	76	45	95	216	7	08:45-09:00	96	128	96	321	08:45-09:00	216	321	537
8	09:00-09:15	79	44	97	220	8	09:00-09:15	96	128	96	321	09:00-09:15	220	321	541
9	09:15-09:30	99	56	122	277	9	09:15-09:30	109	145	109	364	09:15-09:30	277	364	641
10	09:30-09:45	97	58	119	274	10	09:30-09:45	109	145	109	364	09:30-09:45	274	364	638
11	09:45-10:00	91	51	115	257	11	09:45-10:00	81	108	81	271	09:45-10:00	257	271	528
12	10:00-10:15	89	53	114	256	12	10:00-10:15	81	108	81	271	10:00-10:15	256	271	527
Monday-Evening Peak						Monday-Evening Peak						Monday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	02:15-02:30	55	87	119	261	13	04:15-04:30	104	78	78	261	04:15-04:30	261	261	522
14	02:30-02:45	56	92	121	269	14	04:30-04:45	104	78	78	261	04:30-04:45	269	261	530
15	02:45-03:00	49	95	111	255	15	04:45-05:00	113	85	85	283	04:45-05:00	255	283	538
16	03:00-03:15	50	88	116	254	16	05:00-05:15	113	85	85	283	05:00-05:15	254	283	537
17	03:15-03:30	42	72	91	205	17	05:15-05:30	123	93	93	309	05:15-05:30	205	309	514
18	03:30-03:45	44	69	85	198	18	05:30-05:45	123	93	93	309	05:30-05:45	198	309	507
19	03:45-04:00	51	84	109	244	19	05:45-06:00	86	64	64	214	05:45-06:00	244	214	458
20	04:00-04:15	56	86	116	258	20	06:00-06:15	86	64	64	214	06:00-06:15	258	214	472
21	04:15-04:30	37	51	79	167	21	06:15-06:30	73	55	55	182	06:15-06:30	167	182	349
22	04:30-04:45	35	53	76	164	22	06:30-06:45	73	55	55	182	06:30-06:45	164	182	346
23	04:45-05:00	16	29	31	76	23	06:45-07:00	61	46	46	153	06:45-07:00	76	153	229
24	05:00-05:15	14	24	30	68	24	07:00-07:15	61	46	46	153	07:00-07:15	68	153	221

DAY-9						DAY-9						DAY-9			
Tuesday-Morning Peak						Tuesday-Morning Peak						Tuesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	49	31	68	148	1	07:15-07:30	80	107	80	267	07:15-07:30	148	267	415
2	07:30-07:45	56	34	70	160	2	07:30-07:45	84	112	84	281	07:30-07:45	160	281	441
3	07:45-08:00	59	35	76	170	3	07:45-08:00	87	116	87	289	07:45-08:00	170	289	459
4	08:00-08:15	59	36	78	174	4	08:00-08:15	87	116	87	289	08:00-08:15	174	289	463
5	08:15-08:30	61	37	75	174	5	08:15-08:30	92	123	92	308	08:15-08:30	174	308	481
6	08:30-08:45	63	36	77	176	6	08:30-08:45	92	123	92	308	08:30-08:45	176	308	484
7	08:45-09:00	74	44	93	211	7	08:45-09:00	94	125	94	313	08:45-09:00	211	313	524
8	09:00-09:15	77	43	95	215	8	09:00-09:15	94	125	94	313	09:00-09:15	215	313	528
9	09:15-09:30	97	55	119	270	9	09:15-09:30	106	142	106	355	09:15-09:30	270	355	625
10	09:30-09:45	95	57	116	267	10	09:30-09:45	106	142	106	355	09:30-09:45	267	355	622
11	09:45-10:00	89	50	112	251	11	09:45-10:00	79	106	79	264	09:45-10:00	251	264	514
12	10:00-10:15	87	52	111	250	12	10:00-10:15	79	106	79	264	10:00-10:15	250	264	514
Tuesday-Evening Peak						Tuesday-Evening Peak						Tuesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	02:15-02:30	54	85	116	254	13	04:15-04:30	102	76	76	254	04:15-04:30	254	254	509
14	02:30-02:45	55	90	118	262	14	04:30-04:45	102	76	76	254	04:30-04:45	262	254	516
15	02:45-03:00	48	93	108	249	15	04:45-05:00	110	83	83	276	04:45-05:00	249	276	524
16	03:00-03:15	49	86	113	248	16	05:00-05:15	110	83	83	276	05:00-05:15	248	276	523
17	03:15-03:30	41	70	89	200	17	05:15-05:30	120	90	90	301	05:15-05:30	200	301	501
18	03:30-03:45	43	67	83	193	18	05:30-05:45	120	90	90	301	05:30-05:45	193	301	494
19	03:45-04:00	50	82	106	238	19	05:45-06:00	84	63	63	209	05:45-06:00	238	209	447
20	04:00-04:15	55	84	113	252	20	06:00-06:15	84	63	63	209	06:00-06:15	252	209	460
21	04:15-04:30	36	50	77	163	21	06:15-06:30	71	53	53	177	06:15-06:30	163	177	340
22	04:30-04:45	34	52	74	160	22	06:30-06:45	71	53	53	177	06:30-06:45	160	177	337
23	04:45-05:00	16	28	30	74	23	06:45-07:00	59	45	45	149	06:45-07:00	74	149	223
24	05:00-05:15	14	23	29	66	24	07:00-07:15	59	45	45	149	07:00-07:15	66	149	215

DAY-10						DAY-10						DAY-10			
Wednesday-Morning Peak						Wednesday-Morning Peak						Wednesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	49	32	69	150	1	07:15-07:30	81	108	81	270	07:15-07:30	150	270	419
2	07:30-07:45	56	34	71	162	2	07:30-07:45	85	113	85	284	07:30-07:45	162	284	445
3	07:45-08:00	59	35	77	171	3	07:45-08:00	88	117	88	292	07:45-08:00	171	292	463
4	08:00-08:15	60	36	79	175	4	08:00-08:15	88	117	88	292	08:00-08:15	175	292	467
5	08:15-08:30	62	37	76	175	5	08:15-08:30	93	124	93	311	08:15-08:30	175	311	486
6	08:30-08:45	64	36	78	178	6	08:30-08:45	93	124	93	311	08:30-08:45	178	311	489
7	08:45-09:00	75	44	94	213	7	08:45-09:00	95	127	95	316	08:45-09:00	213	316	529
8	09:00-09:15	78	43	96	217	8	09:00-09:15	95	127	95	316	09:00-09:15	217	316	533
9	09:15-09:30	98	55	120	273	9	09:15-09:30	107	143	107	358	09:15-09:30	273	358	631
10	09:30-09:45	96	57	117	270	10	09:30-09:45	107	143	107	358	09:30-09:45	270	358	628
11	09:45-10:00	90	50	113	253	11	09:45-10:00	80	107	80	267	09:45-10:00	253	267	520
12	10:00-10:15	88	52	112	252	12	10:00-10:15	80	107	80	267	10:00-10:15	252	267	519
Wednesday-Evening Peak						Wednesday-Evening Peak						Wednesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	02:15-02:30	54	86	117	257.1	13	04:15-04:30	103	77	77	257	04:15-04:30	257	257	514
14	02:30-02:45	55	91	119	265.0	14	04:30-04:45	103	77	77	257	04:30-04:45	265	257	522
15	02:45-03:00	48	94	109	251.2	15	04:45-05:00	111	84	84	279	04:45-05:00	251	279	530
16	03:00-03:15	49	87	114	250.2	16	05:00-05:15	111	84	84	279	05:00-05:15	250	279	529
17	03:15-03:30	41	71	90	201.9	17	05:15-05:30	122	91	91	304	05:15-05:30	202	304	506
18	03:30-03:45	43	68	84	195.0	18	05:30-05:45	122	91	91	304	05:30-05:45	195	304	499
19	03:45-04:00	50	83	107	240.3	19	05:45-06:00	84	63	63	211	05:45-06:00	240	211	451
20	04:00-04:15	55	85	114	254.1	20	06:00-06:15	84	63	63	211	06:00-06:15	254	211	465
21	04:15-04:30	36	50	78	164.5	21	06:15-06:30	72	54	54	179	06:15-06:30	164	179	344
22	04:30-04:45	34	52	75	161.5	22	06:30-06:45	72	54	54	179	06:30-06:45	162	179	341
23	04:45-05:00	16	29	31	74.9	23	06:45-07:00	60	45	45	150	06:45-07:00	75	150	225
24	05:00-05:15	14	24	30	67.0	24	07:00-07:15	60	45	45	150	07:00-07:15	67	150	217

DAY-11						DAY-11						DAY-11			
Thursday-Morning Peak						Thursday-Morning Peak						Thursday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	48	31	68	147	1	07:15-07:30	79	106	79	264	07:15-07:30	147	264	411
2	07:30-07:45	55	34	69	158	2	07:30-07:45	83	111	83	278	07:30-07:45	158	278	436
3	07:45-08:00	58	35	75	168	3	07:45-08:00	86	114	86	286	07:45-08:00	168	286	454
4	08:00-08:15	59	36	77	172	4	08:00-08:15	86	114	86	286	08:00-08:15	172	286	458
5	08:15-08:30	61	37	74	172	5	08:15-08:30	91	122	91	305	08:15-08:30	172	305	476
6	08:30-08:45	63	36	76	175	6	08:30-08:45	91	122	91	305	08:30-08:45	175	305	479
7	08:45-09:00	73	43	92	208	7	08:45-09:00	93	124	93	310	08:45-09:00	208	310	518
8	09:00-09:15	76	42	94	212	8	09:00-09:15	93	124	93	310	09:00-09:15	212	310	522
9	09:15-09:30	96	54	118	267	9	09:15-09:30	105	140	105	351	09:15-09:30	267	351	618
10	09:30-09:45	94	56	115	264	10	09:30-09:45	105	140	105	351	09:30-09:45	264	351	615
11	09:45-10:00	88	49	111	248	11	09:45-10:00	78	104	78	261	09:45-10:00	248	261	509
12	10:00-10:15	86	51	110	247	12	10:00-10:15	78	104	78	261	10:00-10:15	247	261	508
Thursday-Evening Peak						Thursday-Evening Peak						Thursday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	53	84	115	252	13	04:15-04:30	101	75	75	251	04:15-04:30	252	251	503
14	02:30-02:45	54	89	117	260	14	04:30-04:45	101	75	75	251	04:30-04:45	260	251	511
15	02:45-03:00	47	92	107	246	15	04:45-05:00	109	82	82	273	04:45-05:00	246	273	519
16	03:00-03:15	48	85	112	245	16	05:00-05:15	109	82	82	273	05:00-05:15	245	273	518
17	03:15-03:30	41	69	88	198	17	05:15-05:30	119	89	89	298	05:15-05:30	198	298	496
18	03:30-03:45	42	67	82	191	18	05:30-05:45	119	89	89	298	05:30-05:45	191	298	489
19	03:45-04:00	49	81	105	235	19	05:45-06:00	83	62	62	207	05:45-06:00	235	207	442
20	04:00-04:15	54	83	112	249	20	06:00-06:15	83	62	62	207	06:00-06:15	249	207	456
21	04:15-04:30	36	49	76	161	21	06:15-06:30	70	53	53	175	06:15-06:30	161	175	337
22	04:30-04:45	34	51	73	158	22	06:30-06:45	70	53	53	175	06:30-06:45	158	175	334
23	04:45-05:00	15	28	30	73	23	06:45-07:00	59	44	44	147	06:45-07:00	73	147	221
24	05:00-05:15	14	23	29	66	24	07:00-07:15	59	44	44	147	07:00-07:15	66	147	213

DAY-12						DAY-12						DAY-12			
Friday-Morning Peak						Friday-Morning Peak						Friday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	48	31	67	145	1	07:15-07:30	78	105	78	261	07:15-07:30	145	261	407
2	07:30-07:45	54	33	69	157	2	07:30-07:45	82	110	82	275	07:30-07:45	157	275	432
3	07:45-08:00	57	34	74	166	3	07:45-08:00	85	113	85	283	07:45-08:00	166	283	449
4	08:00-08:15	58	35	76	170	4	08:00-08:15	85	113	85	283	08:00-08:15	170	283	453
5	08:15-08:30	60	36	74	170	5	08:15-08:30	90	121	90	301	08:15-08:30	170	301	471
6	08:30-08:45	62	35	75	173	6	08:30-08:45	90	121	90	301	08:30-08:45	173	301	474
7	08:45-09:00	73	43	91	206	7	08:45-09:00	92	123	92	307	08:45-09:00	206	307	513
8	09:00-09:15	75	42	93	210	8	09:00-09:15	92	123	92	307	09:00-09:15	210	307	517
9	09:15-09:30	95	53	117	265	9	09:15-09:30	104	139	104	347	09:15-09:30	265	347	612
10	09:30-09:45	93	55	114	262	10	09:30-09:45	104	139	104	347	09:30-09:45	262	347	609
11	09:45-10:00	87	49	110	245	11	09:45-10:00	78	103	78	258	09:45-10:00	245	258	504
12	10:00-10:15	85	51	109	244	12	10:00-10:15	78	103	78	258	10:00-10:15	244	258	503
Friday-Evening Peak						Friday-Evening Peak						Friday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	53	83	114	249	13	04:15-04:30	100	75	75	249	04:15-04:30	249	249	498
14	02:30-02:45	53	88	116	257	14	04:30-04:45	100	75	75	249	04:30-04:45	257	249	506
15	02:45-03:00	47	91	106	244	15	04:45-05:00	108	81	81	270	04:45-05:00	244	270	514
16	03:00-03:15	48	84	111	243	16	05:00-05:15	108	81	81	270	05:00-05:15	243	270	513
17	03:15-03:30	40	69	87	196	17	05:15-05:30	118	88	88	295	05:15-05:30	196	295	490
18	03:30-03:45	42	66	81	189	18	05:30-05:45	118	88	88	295	05:30-05:45	189	295	484
19	03:45-04:00	49	80	104	233	19	05:45-06:00	82	61	61	204	05:45-06:00	233	204	438
20	04:00-04:15	53	82	111	246	20	06:00-06:15	82	61	61	204	06:00-06:15	246	204	451
21	04:15-04:30	35	49	75	159	21	06:15-06:30	69	52	52	174	06:15-06:30	159	174	333
22	04:30-04:45	33	51	73	157	22	06:30-06:45	69	52	52	174	06:30-06:45	157	174	330
23	04:45-05:00	15	28	30	73	23	06:45-07:00	58	44	44	146	06:45-07:00	73	146	218
24	05:00-05:15	13	23	29	65	24	07:00-07:15	58	44	44	146	07:00-07:15	65	146	211

DAY-13						DAY-13						DAY-13			
Saturday-Morning Peak						Saturday-Morning Peak						Saturday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	18	11	25	53	1	07:15-07:30	29	38	29	96	07:15-07:30	53	96	149
2	07:30-07:45	20	12	25	57	2	07:30-07:45	30	40	30	101	07:30-07:45	57	101	158
3	07:45-08:00	21	13	27	61	3	07:45-08:00	31	42	31	104	07:45-08:00	61	104	165
4	08:00-08:15	21	13	28	62	4	08:00-08:15	31	42	31	104	08:00-08:15	62	104	166
5	08:15-08:30	22	13	27	62	5	08:15-08:30	33	44	33	110	08:15-08:30	62	110	173
6	08:30-08:45	23	13	28	63	6	08:30-08:45	33	44	33	110	08:30-08:45	63	110	174
7	08:45-09:00	27	16	33	105	7	08:45-09:00	34	45	34	112	08:45-09:00	105	112	217
8	09:00-09:15	28	15	34	77	8	09:00-09:15	34	45	34	112	09:00-09:15	77	112	189
9	09:15-09:30	35	20	43	97	9	09:15-09:30	38	51	38	127	09:15-09:30	97	127	224
10	09:30-09:45	34	20	42	96	10	09:30-09:45	38	51	38	127	09:30-09:45	96	127	223
11	09:45-10:00	32	18	40	90	11	09:45-10:00	28	38	28	95	09:45-10:00	90	95	185
12	10:00-10:15	31	19	40	90	12	10:00-10:15	28	38	28	95	10:00-10:15	90	95	184
Saturday-Evening Peak						Saturday-Evening Peak						Saturday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	19	30	42	91	13	04:15-04:30	36	27	27	91	04:15-04:30	91	91	183
14	02:30-02:45	20	32	42	94	14	04:30-04:45	36	27	27	91	04:30-04:45	94	91	185
15	02:45-03:00	17	33	39	89	15	04:45-05:00	40	30	30	99	04:45-05:00	89	99	188
16	03:00-03:15	18	31	41	89	16	05:00-05:15	40	30	30	99	05:00-05:15	89	99	188
17	03:15-03:30	15	25	32	72	17	05:15-05:30	43	32	32	108	05:15-05:30	72	108	180
18	03:30-03:45	15	24	30	69	18	05:30-05:45	43	32	32	108	05:30-05:45	69	108	177
19	03:45-04:00	18	29	38	85	19	05:45-06:00	30	22	22	75	05:45-06:00	85	75	160
20	04:00-04:15	20	30	41	90	20	06:00-06:15	30	22	22	75	06:00-06:15	90	75	165
21	04:15-04:30	13	18	28	58	21	06:15-06:30	25	19	19	64	06:15-06:30	58	64	122
22	04:30-04:45	12	19	27	57	22	06:30-06:45	25	19	19	64	06:30-06:45	57	64	121
23	04:45-05:00	6	10	11	27	23	06:45-07:00	21	16	16	53	06:45-07:00	27	53	80
24	05:00-05:15	5	8	11	24	24	07:00-07:15	21	16	16	53	07:00-07:15	24	53	77

DAY-14						DAY-14						DAY-14			
Sunday-Morning Peak						Sunday-Morning Peak						Sunday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	9th Avenue	Total-Ridership
1	07:15-07:30	15	10	21	46	1	07:15-07:30	25	33	25	82	07:15-07:30	46	82	128
2	07:30-07:45	17	11	22	49	2	07:30-07:45	26	35	26	86	07:30-07:45	49	86	136
3	07:45-08:00	18	11	23	52	3	07:45-08:00	27	36	27	89	07:45-08:00	52	89	141
4	08:00-08:15	18	11	24	53	4	08:00-08:15	27	36	27	89	08:00-08:15	53	89	142
5	08:15-08:30	19	11	23	53	5	08:15-08:30	28	38	28	95	08:15-08:30	53	95	148
6	08:30-08:45	20	11	24	54	6	08:30-08:45	28	38	28	95	08:30-08:45	54	95	149
7	08:45-09:00	23	14	29	65	7	08:45-09:00	29	39	29	96	08:45-09:00	65	96	161
8	09:00-09:15	24	13	29	66	8	09:00-09:15	29	39	29	96	09:00-09:15	66	96	162
9	09:15-09:30	30	17	37	83	9	09:15-09:30	33	44	33	109	09:15-09:30	83	109	192
10	09:30-09:45	29	17	36	82	10	09:30-09:45	33	44	33	109	09:30-09:45	82	109	191
11	09:45-10:00	27	15	35	77	11	09:45-10:00	24	32	24	81	09:45-10:00	77	81	158
12	10:00-10:15	27	16	34	77	12	10:00-10:15	24	32	24	81	10:00-10:15	77	81	158
Sunday-Evening Peak						Sunday-Evening Peak						Sunday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total-Ridership
13	02:15-02:30	17	26	36	78	13	04:15-04:30	31	23	23	78	04:15-04:30	78	78	156
14	02:30-02:45	17	28	36	81	14	04:30-04:45	31	23	23	78	04:30-04:45	81	78	159
15	02:45-03:00	15	29	33	77	15	04:45-05:00	34	25	25	85	04:45-05:00	77	85	161
16	03:00-03:15	15	26	35	76	16	05:00-05:15	34	25	25	85	05:00-05:15	76	85	161
17	03:15-03:30	13	22	27	62	17	05:15-05:30	37	28	28	93	05:15-05:30	62	93	154
18	03:30-03:45	13	21	26	59	18	05:30-05:45	37	28	28	93	05:30-05:45	59	93	152
19	03:45-04:00	15	25	33	73	19	05:45-06:00	26	19	19	64	05:45-06:00	73	64	137
20	04:00-04:15	17	26	35	77	20	06:00-06:15	26	19	19	64	06:00-06:15	77	64	142
21	04:15-04:30	11	15	24	50	21	06:15-06:30	22	16	16	55	06:15-06:30	50	55	105
22	04:30-04:45	11	16	23	49	22	06:30-06:45	22	16	16	55	06:30-06:45	49	55	104
23	04:45-05:00	5	9	9	23	23	06:45-07:00	18	14	14	46	06:45-07:00	23	46	69
24	05:00-05:15	4	7	9	20	24	07:00-07:15	18	14	14	46	07:00-07:15	20	46	66

Average Daily Ridership for Week days in UP direction				
Average Ridership-10 Weekdays				
Time	Mandi Moor	9th Avenue	Total-Ridership	Peak Hour Ridership
07:15-07:30	146	265	411	
07:30-07:45	155	279	434	
07:45-08:00	164	287	452	
08:00-08:15	166	287	454	1751
08:15-08:30	168	306	474	1813
08:30-08:45	170	306	476	1855
08:45-09:00	205	311	516	1920
09:00-09:15	207	311	518	1984
09:15-09:30	263	352	615	2125
09:30-09:45	262	352	614	2263
09:45-10:00	245	262	507	2254
10:00-10:15	244	262	507	2243
Evening Peak				
Time	Total Riding	Total Riding	Peak Hour Ridership	
04:15-04:30	242	254	496	
04:30-04:45	246	255	502	
04:45-05:00	241	275	517	
05:00-05:15	241	275	516	2030
05:15-05:30	191	300	491	2025
05:30-05:45	189	300	488	2012
05:45-06:00	229	218	447	1943
06:00-06:15	235	218	453	1879
06:15-06:30	168	194	362	1750
06:30-06:45	167	194	360	1622
06:45-07:00	83	159	242	1417
07:00-07:15	80	159	239	1203

Average Ridership-4 Weekend-days				
Time	Dakkhana Stop	G-11 Chowk	Total-Ridership	Peak Hour Ridership
07:15-07:30	49	89	137	
07:30-07:45	52	93	145	
07:45-08:00	55	96	151	
08:00-08:15	55	96	151	584
08:15-08:30	56	102	158	605
08:30-08:45	57	102	159	619
08:45-09:00	76	104	180	648
09:00-09:15	69	104	173	669
09:15-09:30	88	118	205	716
09:30-09:45	87	118	205	763
09:45-10:00	82	88	169	752
10:00-10:15	81	88	169	748
Evening Peak				
Time	Total Riding	Total Riding	Peak Hour Ridership	
04:15-04:30	127	127	254	
04:30-04:45	130	127	257	
04:45-05:00	124	138	262	
05:00-05:15	124	138	262	1035
05:15-05:30	99	150	249	1030
05:30-05:45	96	150	246	1019
05:45-06:00	118	104	222	979
06:00-06:15	124	104	228	946
06:15-06:30	81	88	169	866
06:30-06:45	79	88	168	787
06:45-07:00	36	74	110	675
07:00-07:15	32	74	107	554

For DOWN Direction

RIDERSHIP SURVEY FORM						RIDERSHIP SURVEY FORM						RIDERSHIP SURVEY FORM			
time interval:15 min			Corridor: IJP			time interval:15 min			Corridor: IJP			time interval:15 min		Corridor: IJP	
No of Days= 10 Weekday + 4 Weekend days			Station: Koral Chowk			No of Days= 10 Weekday + 4 Weekend days			Station: Faizabad			# of Days= 10 Weekday + 4 Weekend		Direction of Traffic: UP	
Direction of Traffic: DOWN			Observer: Hamid Khan			Direction of Traffic: DOWN			Observer: Sufian Khan						
DAY-1						DAY-1						DAY-1			
Monday-Morning Peak						Monday-Morning Peak						Monday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	17	17	23	58	1	07:15-07:30	71	53	53	177	07:15-07:30	58	177	235
2	07:30-07:45	19	19	26	64	2	07:30-07:45	73	55	55	182	07:30-07:45	64	182	246
3	07:45-08:00	21	21	28	70	3	07:45-08:00	76	57	57	191	07:45-08:00	70	191	260
4	08:00-08:15	21	21	28	70	4	08:00-08:15	76	57	57	191	08:00-08:15	70	191	260
5	08:15-08:30	29	29	38	96	5	08:15-08:30	91	68	68	227	08:15-08:30	96	227	323
6	08:30-08:45	29	29	38	96	6	08:30-08:45	91	68	68	227	08:30-08:45	96	227	323
7	08:45-09:00	10	10	14	35	7	08:45-09:00	117	88	88	293	08:45-09:00	35	293	327
8	09:00-09:15	10	10	14	35	8	09:00-09:15	117	88	88	293	09:00-09:15	35	293	327
9	09:15-09:30	25	25	33	83	9	09:15-09:30	100	75	75	251	09:15-09:30	83	251	334
10	09:30-09:45	25	25	33	83	10	09:30-09:45	100	75	75	251	09:30-09:45	83	251	334
11	09:45-10:00	26	26	34	86	11	09:45-10:00	122	92	92	305	09:45-10:00	86	305	391
12	10:00-10:15	26	26	34	86	12	10:00-10:15	122	92	92	305	10:00-10:15	86	305	391
Monday-Evening Peak						Monday-Evening Peak						Monday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	66	66	88	221	13	04:15-04:30	66	50	50	165	04:15-04:30	221	165	386
14	02:30-02:45	66	66	88	221	14	04:30-04:45	66	50	50	165	04:30-04:45	221	165	386
15	02:45-03:00	48	48	63	159	15	04:45-05:00	61	46	46	153	04:45-05:00	159	153	312
16	03:00-03:15	48	48	63	159	16	05:00-05:15	61	46	46	153	05:00-05:15	159	153	312
17	03:15-03:30	51	51	68	171	17	05:15-05:30	46	34	34	114	05:15-05:30	171	114	285
18	03:30-03:45	51	51	68	171	18	05:30-05:45	46	34	34	114	05:30-05:45	171	114	285
19	03:45-04:00	76	76	101	253	19	05:45-06:00	61	46	46	153	05:45-06:00	253	153	406
20	04:00-04:15	76	76	101	253	20	06:00-06:15	61	46	46	153	06:00-06:15	253	153	406
21	04:15-04:30	50	50	67	167	21	06:15-06:30	58	44	44	146	06:15-06:30	167	146	313
22	04:30-04:45	50	50	67	167	22	06:30-06:45	58	44	44	146	06:30-06:45	167	146	313
23	04:45-05:00	29	29	38	96	23	06:45-07:00	49	37	37	123	06:45-07:00	96	123	219
24	05:00-05:15	29	29	38	96	24	07:00-07:15	49	37	37	123	07:00-07:15	96	123	219

DAY-2						DAY-2						DAY-2			
Tuesday-Morning Peak						Tuesday-Morning Peak						Tuesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	17	17	23	57	1	07:15-07:30	70	52	52	174	07:15-07:30	57	174	231
2	07:30-07:45	19	19	25	63	2	07:30-07:45	72	54	54	179	07:30-07:45	63	179	242
3	07:45-08:00	21	21	27	68	3	07:45-08:00	75	56	56	188	07:45-08:00	68	188	256
4	08:00-08:15	21	21	27	68	4	08:00-08:15	75	56	56	188	08:00-08:15	68	188	256
5	08:15-08:30	28	28	38	94	5	08:15-08:30	89	67	67	224	08:15-08:30	94	224	318
6	08:30-08:45	28	28	38	94	6	08:30-08:45	89	67	67	224	08:30-08:45	94	224	318
7	08:45-09:00	10	10	14	34	7	08:45-09:00	115	86	86	288	08:45-09:00	34	288	322
8	09:00-09:15	10	10	14	34	8	09:00-09:15	115	86	86	288	09:00-09:15	34	288	322
9	09:15-09:30	25	25	33	82	9	09:15-09:30	99	74	74	247	09:15-09:30	82	247	328
10	09:30-09:45	25	25	33	82	10	09:30-09:45	99	74	74	247	09:30-09:45	82	247	328
11	09:45-10:00	25	25	34	84	11	09:45-10:00	120	90	90	300	09:45-10:00	84	300	385
12	10:00-10:15	25	25	34	84	12	10:00-10:15	120	90	90	300	10:00-10:15	84	300	385
Tuesday-Evening Peak						Tuesday-Evening Peak						Tuesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	65	65	87	217	13	04:15-04:30	65	49	49	163	04:15-04:30	217	163	380
14	02:30-02:45	65	65	87	217	14	04:30-04:45	65	49	49	163	04:30-04:45	217	163	380
15	02:45-03:00	47	47	62	156	15	04:45-05:00	60	45	45	151	04:45-05:00	156	151	307
16	03:00-03:15	47	47	62	156	16	05:00-05:15	60	45	45	151	05:00-05:15	156	151	307
17	03:15-03:30	51	51	67	168	17	05:15-05:30	45	34	34	112	05:15-05:30	168	112	281
18	03:30-03:45	51	51	67	168	18	05:30-05:45	45	34	34	112	05:30-05:45	168	112	281
19	03:45-04:00	75	75	99	249	19	05:45-06:00	60	45	45	151	05:45-06:00	249	151	399
20	04:00-04:15	75	75	99	249	20	06:00-06:15	60	45	45	151	06:00-06:15	249	151	399
21	04:15-04:30	49	49	66	164	21	06:15-06:30	58	43	43	144	06:15-06:30	164	144	308
22	04:30-04:45	49	49	66	164	22	06:30-06:45	58	43	43	144	06:30-06:45	164	144	308
23	04:45-05:00	28	28	38	94	23	06:45-07:00	48	36	36	121	06:45-07:00	94	121	215
24	05:00-05:15	28	28	38	94	24	07:00-07:15	48	36	36	121	07:00-07:15	94	121	215

DAY-3						DAY-3						DAY-3			
Wednesday-Morning Peak						Wednesday-Morning Peak						Wednesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	18	18	24	59	1	07:15-07:30	73	54	54	181	07:15-07:30	59	181	241
2	07:30-07:45	20	20	26	66	2	07:30-07:45	75	56	56	187	07:30-07:45	66	187	252
3	07:45-08:00	21	21	28	71	3	07:45-08:00	78	59	59	195	07:45-08:00	71	195	267
4	08:00-08:15	21	21	28	71	4	08:00-08:15	78	59	59	195	08:00-08:15	71	195	267
5	08:15-08:30	29	29	39	98	5	08:15-08:30	93	70	70	233	08:15-08:30	98	233	331
6	08:30-08:45	29	29	39	98	6	08:30-08:45	93	70	70	233	08:30-08:45	98	233	331
7	08:45-09:00	11	11	14	35	7	08:45-09:00	120	90	90	300	08:45-09:00	35	300	335
8	09:00-09:15	11	11	14	35	8	09:00-09:15	120	90	90	300	09:00-09:15	35	300	335
9	09:15-09:30	26	26	34	85	9	09:15-09:30	103	77	77	257	09:15-09:30	85	257	342
10	09:30-09:45	26	26	34	85	10	09:30-09:45	103	77	77	257	09:30-09:45	85	257	342
11	09:45-10:00	26	26	35	88	11	09:45-10:00	125	94	94	313	09:45-10:00	88	313	400
12	10:00-10:15	26	26	35	88	12	10:00-10:15	125	94	94	313	10:00-10:15	88	313	400
Wednesday-Evening Peak						Wednesday-Evening Peak						Wednesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	68	68	90	226	13	04:15-04:30	68	51	51	169	04:15-04:30	226	169	395
14	02:30-02:45	68	68	90	226	14	04:30-04:45	68	51	51	169	04:30-04:45	226	169	395
15	02:45-03:00	49	49	65	162	15	04:45-05:00	63	47	47	157	04:45-05:00	162	157	319
16	03:00-03:15	49	49	65	162	16	05:00-05:15	63	47	47	157	05:00-05:15	162	157	319
17	03:15-03:30	53	53	70	175	17	05:15-05:30	47	35	35	117	05:15-05:30	175	117	292
18	03:30-03:45	53	53	70	175	18	05:30-05:45	47	35	35	117	05:30-05:45	175	117	292
19	03:45-04:00	78	78	104	259	19	05:45-06:00	63	47	47	157	05:45-06:00	259	157	416
20	04:00-04:15	78	78	104	259	20	06:00-06:15	63	47	47	157	06:00-06:15	259	157	416
21	04:15-04:30	51	51	68	171	21	06:15-06:30	60	45	45	150	06:15-06:30	171	150	320
22	04:30-04:45	51	51	68	171	22	06:30-06:45	60	45	45	150	06:30-06:45	171	150	320
23	04:45-05:00	29	29	39	98	23	06:45-07:00	50	38	38	126	06:45-07:00	98	126	224
24	05:00-05:15	29	29	39	98	24	07:00-07:15	50	38	38	126	07:00-07:15	98	126	224

DAY-4						DAY-4						DAY-4			
Thursday-Morning Peak						Thursday-Morning Peak						Thursday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	17	17	23	56	1	07:15-07:30	69	52	52	172	07:15-07:30	56	172	228
2	07:30-07:45	19	19	25	62	2	07:30-07:45	71	53	53	177	07:30-07:45	62	177	239
3	07:45-08:00	20	20	27	67	3	07:45-08:00	74	55	55	185	07:45-08:00	67	185	252
4	08:00-08:15	20	20	27	67	4	08:00-08:15	74	55	55	185	08:00-08:15	67	185	252
5	08:15-08:30	28	28	37	93	5	08:15-08:30	88	66	66	220	08:15-08:30	93	220	313
6	08:30-08:45	28	28	37	93	6	08:30-08:45	88	66	66	220	08:30-08:45	93	220	313
7	08:45-09:00	10	10	13	33	7	08:45-09:00	113	85	85	284	08:45-09:00	33	284	317
8	09:00-09:15	10	10	13	33	8	09:00-09:15	113	85	85	284	09:00-09:15	33	284	317
9	09:15-09:30	24	24	32	81	9	09:15-09:30	97	73	73	243	09:15-09:30	81	243	323
10	09:30-09:45	24	24	32	81	10	09:30-09:45	97	73	73	243	09:30-09:45	81	243	323
11	09:45-10:00	25	25	33	83	11	09:45-10:00	118	89	89	296	09:45-10:00	83	296	379
12	10:00-10:15	25	25	33	83	12	10:00-10:15	118	89	89	296	10:00-10:15	83	296	379
Thursday-Evening Peak						Thursday-Evening Peak						Thursday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	64	64	86	214	13	04:15-04:30	64	48	48	160	04:15-04:30	214	160	374
14	02:30-02:45	64	64	86	214	14	04:30-04:45	64	48	48	160	04:30-04:45	214	160	374
15	02:45-03:00	46	46	61	154	15	04:45-05:00	59	45	45	148	04:45-05:00	154	148	302
16	03:00-03:15	46	46	61	154	16	05:00-05:15	59	45	45	148	05:00-05:15	154	148	302
17	03:15-03:30	50	50	66	166	17	05:15-05:30	44	33	33	111	05:15-05:30	166	111	276
18	03:30-03:45	50	50	66	166	18	05:30-05:45	44	33	33	111	05:30-05:45	166	111	276
19	03:45-04:00	73	73	98	245	19	05:45-06:00	59	45	45	148	05:45-06:00	245	148	393
20	04:00-04:15	73	73	98	245	20	06:00-06:15	59	45	45	148	06:00-06:15	245	148	393
21	04:15-04:30	48	48	65	162	21	06:15-06:30	57	42	42	142	06:15-06:30	162	142	303
22	04:30-04:45	48	48	65	162	22	06:30-06:45	57	42	42	142	06:30-06:45	162	142	303
23	04:45-05:00	28	28	37	93	23	06:45-07:00	48	36	36	119	06:45-07:00	93	119	212
24	05:00-05:15	28	28	37	93	24	07:00-07:15	48	36	36	119	07:00-07:15	93	119	212

DAY-5						DAY-5						DAY-5			
Friday-Morning Peak						Friday-Morning Peak						Friday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	17	17	22	55	1	07:15-07:30	67	50	50	168	07:15-07:30	55	168	223
2	07:30-07:45	18	18	24	61	2	07:30-07:45	69	52	52	173	07:30-07:45	61	173	234
3	07:45-08:00	20	20	26	66	3	07:45-08:00	72	54	54	181	07:45-08:00	66	181	247
4	08:00-08:15	20	20	26	66	4	08:00-08:15	72	54	54	181	08:00-08:15	66	181	247
5	08:15-08:30	27	27	36	91	5	08:15-08:30	86	65	65	216	08:15-08:30	91	216	306
6	08:30-08:45	27	27	36	91	6	08:30-08:45	86	65	65	216	08:30-08:45	91	216	306
7	08:45-09:00	10	10	13	33	7	08:45-09:00	111	83	83	278	08:45-09:00	33	278	311
8	09:00-09:15	10	10	13	33	8	09:00-09:15	111	83	83	278	09:00-09:15	33	278	311
9	09:15-09:30	24	24	32	79	9	09:15-09:30	95	71	71	238	09:15-09:30	79	238	317
10	09:30-09:45	24	24	32	79	10	09:30-09:45	95	71	71	238	09:30-09:45	79	238	317
11	09:45-10:00	24	24	32	81	11	09:45-10:00	116	87	87	290	09:45-10:00	81	290	371
12	10:00-10:15	24	24	32	81	12	10:00-10:15	116	87	87	290	10:00-10:15	81	290	371
Friday-Evening Peak						Friday-Evening Peak						Friday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	63	63	84	209	13	04:15-04:30	63	47	47	157	04:15-04:30	209	157	366
14	02:30-02:45	63	63	84	209	14	04:30-04:45	63	47	47	157	04:30-04:45	209	157	366
15	02:45-03:00	45	45	60	151	15	04:45-05:00	58	44	44	145	04:45-05:00	151	145	296
16	03:00-03:15	45	45	60	151	16	05:00-05:15	58	44	44	145	05:00-05:15	151	145	296
17	03:15-03:30	49	49	65	162	17	05:15-05:30	43	32	32	108	05:15-05:30	162	108	271
18	03:30-03:45	49	49	65	162	18	05:30-05:45	43	32	32	108	05:30-05:45	162	108	271
19	03:45-04:00	72	72	96	240	19	05:45-06:00	58	44	44	145	05:45-06:00	240	145	385
20	04:00-04:15	72	72	96	240	20	06:00-06:15	58	44	44	145	06:00-06:15	240	145	385
21	04:15-04:30	47	47	63	158	21	06:15-06:30	55	42	42	139	06:15-06:30	158	139	297
22	04:30-04:45	47	47	63	158	22	06:30-06:45	55	42	42	139	06:30-06:45	158	139	297
23	04:45-05:00	27	27	36	91	23	06:45-07:00	47	35	35	117	06:45-07:00	91	117	208
24	05:00-05:15	27	27	36	91	24	07:00-07:15	47	35	35	117	07:00-07:15	91	117	208

DAY-6						DAY-6						DAY-6			
Saturday-Morning Peak						Saturday-Morning Peak						Saturday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	6	6	8	20	1	07:15-07:30	25	19	19	62	07:15-07:30	20	62	82
2	07:30-07:45	7	7	9	22	2	07:30-07:45	25	19	19	64	07:30-07:45	22	64	86
3	07:45-08:00	7	7	10	24	3	07:45-08:00	27	20	20	67	07:45-08:00	24	67	91
4	08:00-08:15	7	7	10	24	4	08:00-08:15	27	20	20	67	08:00-08:15	24	67	91
5	08:15-08:30	10	10	13	33	5	08:15-08:30	32	24	24	79	08:15-08:30	33	79	113
6	08:30-08:45	10	10	13	33	6	08:30-08:45	32	24	24	79	08:30-08:45	33	79	113
7	08:45-09:00	4	4	5	12	7	08:45-09:00	41	31	31	102	08:45-09:00	12	102	114
8	09:00-09:15	4	4	5	12	8	09:00-09:15	41	31	31	102	09:00-09:15	12	102	114
9	09:15-09:30	9	9	12	29	9	09:15-09:30	35	26	26	88	09:15-09:30	29	88	117
10	09:30-09:45	9	9	12	29	10	09:30-09:45	35	26	26	88	09:30-09:45	29	88	117
11	09:45-10:00	9	9	12	30	11	09:45-10:00	43	32	32	107	09:45-10:00	30	107	137
12	10:00-10:15	9	9	12	30	12	10:00-10:15	43	32	32	107	10:00-10:15	30	107	137
Saturday-Evening Peak						Saturday-Evening Peak						Saturday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	23	23	31	77	13	04:15-04:30	23	17	17	58	04:15-04:30	77	58	135
14	02:30-02:45	23	23	31	77	14	04:30-04:45	23	17	17	58	04:30-04:45	77	58	135
15	02:45-03:00	17	17	22	55	15	04:45-05:00	21	16	16	54	04:45-05:00	55	54	109
16	03:00-03:15	17	17	22	55	16	05:00-05:15	21	16	16	54	05:00-05:15	55	54	109
17	03:15-03:30	18	18	24	60	17	05:15-05:30	16	12	12	40	05:15-05:30	60	40	100
18	03:30-03:45	18	18	24	60	18	05:30-05:45	16	12	12	40	05:30-05:45	60	40	100
19	03:45-04:00	27	27	35	88	19	05:45-06:00	21	16	16	54	05:45-06:00	88	54	142
20	04:00-04:15	27	27	35	88	20	06:00-06:15	21	16	16	54	06:00-06:15	88	54	142
21	04:15-04:30	17	17	23	58	21	06:15-06:30	20	15	15	51	06:15-06:30	58	51	109
22	04:30-04:45	17	17	23	58	22	06:30-06:45	20	15	15	51	06:30-06:45	58	51	109
23	04:45-05:00	10	10	13	33	23	06:45-07:00	17	13	13	43	06:45-07:00	33	43	76
24	05:00-05:15	10	10	13	33	24	07:00-07:15	17	13	13	43	07:00-07:15	33	43	76

DAY-7						DAY-7						DAY-7			
Sunday-Morning Peak						Sunday-Morning Peak						Sunday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	5	5	7	17	1	07:15-07:30	21	16	16	53	07:15-07:30	17	53	71
2	07:30-07:45	6	6	8	19	2	07:30-07:45	22	16	16	55	07:30-07:45	19	55	74
3	07:45-08:00	6	6	8	21	3	07:45-08:00	23	17	17	57	07:45-08:00	21	57	78
4	08:00-08:15	6	6	8	21	4	08:00-08:15	23	17	17	57	08:00-08:15	21	57	78
5	08:15-08:30	9	9	11	29	5	08:15-08:30	27	20	20	68	08:15-08:30	29	68	97
6	08:30-08:45	9	9	11	29	6	08:30-08:45	27	20	20	68	08:30-08:45	29	68	97
7	08:45-09:00	3	3	4	10	7	08:45-09:00	35	26	26	88	08:45-09:00	10	88	98
8	09:00-09:15	3	3	4	10	8	09:00-09:15	35	26	26	88	09:00-09:15	10	88	98
9	09:15-09:30	7	7	10	25	9	09:15-09:30	30	23	23	75	09:15-09:30	25	75	100
10	09:30-09:45	7	7	10	25	10	09:30-09:45	30	23	23	75	09:30-09:45	25	75	100
11	09:45-10:00	8	8	10	26	11	09:45-10:00	37	27	27	92	09:45-10:00	26	92	117
12	10:00-10:15	8	8	10	26	12	10:00-10:15	37	27	27	92	10:00-10:15	26	92	117
Sunday-Evening Peak						Sunday-Evening Peak						Sunday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	20	20	26	66	13	04:15-04:30	20	15	15	50	04:15-04:30	66	50	116
14	02:30-02:45	20	20	26	66	14	04:30-04:45	20	15	15	50	04:30-04:45	66	50	116
15	02:45-03:00	14	14	19	48	15	04:45-05:00	18	14	14	46	04:45-05:00	48	46	93
16	03:00-03:15	14	14	19	48	16	05:00-05:15	18	14	14	46	05:00-05:15	48	46	93
17	03:15-03:30	15	15	21	51	17	05:15-05:30	14	10	10	34	05:15-05:30	51	34	86
18	03:30-03:45	15	15	21	51	18	05:30-05:45	14	10	10	34	05:30-05:45	51	34	86
19	03:45-04:00	23	23	30	76	19	05:45-06:00	18	14	14	46	05:45-06:00	76	46	122
20	04:00-04:15	23	23	30	76	20	06:00-06:15	18	14	14	46	06:00-06:15	76	46	122
21	04:15-04:30	15	15	20	50	21	06:15-06:30	18	13	13	44	06:15-06:30	50	44	94
22	04:30-04:45	15	15	20	50	22	06:30-06:45	18	13	13	44	06:30-06:45	50	44	94
23	04:45-05:00	9	9	11	29	23	06:45-07:00	15	11	11	37	06:45-07:00	29	37	66
24	05:00-05:15	9	9	11	29	24	07:00-07:15	15	11	11	37	07:00-07:15	29	37	66

DAY-8						DAY-8						DAY-8			
Monday-Morning Peak						Monday-Morning Peak						Monday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	18	18	23	59	1	07:15-07:30	72	54	54	179	07:15-07:30	59	179	237
2	07:30-07:45	19	19	26	65	2	07:30-07:45	74	55	55	184	07:30-07:45	65	184	248
3	07:45-08:00	21	21	28	70	3	07:45-08:00	77	58	58	192	07:45-08:00	70	192	263
4	08:00-08:15	21	21	28	70	4	08:00-08:15	77	58	58	192	08:00-08:15	70	192	263
5	08:15-08:30	29	29	39	96	5	08:15-08:30	92	69	69	229	08:15-08:30	96	229	326
6	08:30-08:45	29	29	39	96	6	08:30-08:45	92	69	69	229	08:30-08:45	96	229	326
7	08:45-09:00	10	10	14	35	7	08:45-09:00	118	89	89	295	08:45-09:00	35	295	330
8	09:00-09:15	10	10	14	35	8	09:00-09:15	118	89	89	295	09:00-09:15	35	295	330
9	09:15-09:30	25	25	34	84	9	09:15-09:30	101	76	76	253	09:15-09:30	84	253	337
10	09:30-09:45	25	25	34	84	10	09:30-09:45	101	76	76	253	09:30-09:45	84	253	337
11	09:45-10:00	26	26	35	86	11	09:45-10:00	123	92	92	308	09:45-10:00	86	308	394
12	10:00-10:15	26	26	35	86	12	10:00-10:15	123	92	92	308	10:00-10:15	86	308	394
Monday-Evening Peak						Monday-Evening Peak						Monday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	Total Riding
13	02:15-02:30	67	67	89	223	13	04:15-04:30	67	50	50	167	04:15-04:30	223	167	389
14	02:30-02:45	67	67	89	223	14	04:30-04:45	67	50	50	167	04:30-04:45	223	167	389
15	02:45-03:00	48	48	64	160	15	04:45-05:00	62	46	46	155	04:45-05:00	160	155	315
16	03:00-03:15	48	48	64	160	16	05:00-05:15	62	46	46	155	05:00-05:15	160	155	315
17	03:15-03:30	52	52	69	173	17	05:15-05:30	46	35	35	115	05:15-05:30	173	115	288
18	03:30-03:45	52	52	69	173	18	05:30-05:45	46	35	35	115	05:30-05:45	173	115	288
19	03:45-04:00	77	77	102	255	19	05:45-06:00	62	46	46	155	05:45-06:00	255	155	410
20	04:00-04:15	77	77	102	255	20	06:00-06:15	62	46	46	155	06:00-06:15	255	155	410
21	04:15-04:30	50	50	67	168	21	06:15-06:30	59	44	44	147	06:15-06:30	168	147	316
22	04:30-04:45	50	50	67	168	22	06:30-06:45	59	44	44	147	06:30-06:45	168	147	316
23	04:45-05:00	29	29	39	96	23	06:45-07:00	50	37	37	124	06:45-07:00	96	124	221
24	05:00-05:15	29	29	39	96	24	07:00-07:15	50	37	37	124	07:00-07:15	96	124	221

DAY-9						DAY-9						DAY-9			
Tuesday-Morning Peak						Tuesday-Morning Peak						Tuesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	17	17	23	57	1	07:15-07:30	70	53	53	175	07:15-07:30	57	175	233
2	07:30-07:45	19	19	25	63	2	07:30-07:45	72	54	54	180	07:30-07:45	63	180	243
3	07:45-08:00	21	21	28	69	3	07:45-08:00	75	57	57	189	07:45-08:00	69	189	257
4	08:00-08:15	21	21	28	69	4	08:00-08:15	75	57	57	189	08:00-08:15	69	189	257
5	08:15-08:30	28	28	38	95	5	08:15-08:30	90	67	67	225	08:15-08:30	95	225	319
6	08:30-08:45	28	28	38	95	6	08:30-08:45	90	67	67	225	08:30-08:45	95	225	319
7	08:45-09:00	10	10	14	34	7	08:45-09:00	116	87	87	290	08:45-09:00	34	290	324
8	09:00-09:15	10	10	14	34	8	09:00-09:15	116	87	87	290	09:00-09:15	34	290	324
9	09:15-09:30	25	25	33	82	9	09:15-09:30	99	74	74	248	09:15-09:30	82	248	330
10	09:30-09:45	25	25	33	82	10	09:30-09:45	99	74	74	248	09:30-09:45	82	248	330
11	09:45-10:00	25	25	34	85	11	09:45-10:00	121	91	91	302	09:45-10:00	85	302	387
12	10:00-10:15	25	25	34	85	12	10:00-10:15	121	91	91	302	10:00-10:15	85	302	387
Tuesday-Evening Peak						Tuesday-Evening Peak						Tuesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	65	65	87	218	13	04:15-04:30	65	49	49	163	04:15-04:30	218	163	382
14	02:30-02:45	65	65	87	218	14	04:30-04:45	65	49	49	163	04:30-04:45	218	163	382
15	02:45-03:00	47	47	63	157	15	04:45-05:00	61	45	45	151	04:45-05:00	157	151	308
16	03:00-03:15	47	47	63	157	16	05:00-05:15	61	45	45	151	05:00-05:15	157	151	308
17	03:15-03:30	51	51	68	169	17	05:15-05:30	45	34	34	113	05:15-05:30	169	113	282
18	03:30-03:45	51	51	68	169	18	05:30-05:45	45	34	34	113	05:30-05:45	169	113	282
19	03:45-04:00	75	75	100	250	19	05:45-06:00	61	45	45	151	05:45-06:00	250	151	401
20	04:00-04:15	75	75	100	250	20	06:00-06:15	61	45	45	151	06:00-06:15	250	151	401
21	04:15-04:30	49	49	66	165	21	06:15-06:30	58	43	43	145	06:15-06:30	165	145	309
22	04:30-04:45	49	49	66	165	22	06:30-06:45	58	43	43	145	06:30-06:45	165	145	309
23	04:45-05:00	28	28	38	95	23	06:45-07:00	49	37	37	122	06:45-07:00	95	122	216
24	05:00-05:15	28	28	38	95	24	07:00-07:15	49	37	37	122	07:00-07:15	95	122	216

DAY-10						DAY-10						DAY-10			
Wednesday-Morning Peak						Wednesday-Morning Peak						Wednesday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	17	17	23	58	1	07:15-07:30	71	53	53	177	07:15-07:30	58	177	235
2	07:30-07:45	19	19	26	64	2	07:30-07:45	73	55	55	182	07:30-07:45	64	182	246
3	07:45-08:00	21	21	28	69	3	07:45-08:00	76	57	57	190	07:45-08:00	69	190	260
4	08:00-08:15	21	21	28	69	4	08:00-08:15	76	57	57	190	08:00-08:15	69	190	260
5	08:15-08:30	29	29	38	95	5	08:15-08:30	91	68	68	227	08:15-08:30	95	227	322
6	08:30-08:45	29	29	38	95	6	08:30-08:45	91	68	68	227	08:30-08:45	95	227	322
7	08:45-09:00	10	10	14	34	7	08:45-09:00	117	88	88	292	08:45-09:00	34	292	327
8	09:00-09:15	10	10	14	34	8	09:00-09:15	117	88	88	292	09:00-09:15	34	292	327
9	09:15-09:30	25	25	33	83	9	09:15-09:30	100	75	75	250	09:15-09:30	83	250	333
10	09:30-09:45	25	25	33	83	10	09:30-09:45	100	75	75	250	09:30-09:45	83	250	333
11	09:45-10:00	26	26	34	85	11	09:45-10:00	122	91	91	305	09:45-10:00	85	305	390
12	10:00-10:15	26	26	34	85	12	10:00-10:15	122	91	91	305	10:00-10:15	85	305	390
Wednesday-Evening Peak						Wednesday-Evening Peak						Wednesday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	66	66	88	220	13	04:15-04:30	66	49	49	165	04:15-04:30	220	165	385
14	02:30-02:45	66	66	88	220	14	04:30-04:45	66	49	49	165	04:30-04:45	220	165	385
15	02:45-03:00	48	48	63	158	15	04:45-05:00	61	46	46	153	04:45-05:00	158	153	311
16	03:00-03:15	48	48	63	158	16	05:00-05:15	61	46	46	153	05:00-05:15	158	153	311
17	03:15-03:30	51	51	68	171	17	05:15-05:30	46	34	34	114	05:15-05:30	171	114	285
18	03:30-03:45	51	51	68	171	18	05:30-05:45	46	34	34	114	05:30-05:45	171	114	285
19	03:45-04:00	76	76	101	252	19	05:45-06:00	61	46	46	153	05:45-06:00	252	153	405
20	04:00-04:15	76	76	101	252	20	06:00-06:15	61	46	46	153	06:00-06:15	252	153	405
21	04:15-04:30	50	50	67	166	21	06:15-06:30	58	44	44	146	06:15-06:30	166	146	312
22	04:30-04:45	50	50	67	166	22	06:30-06:45	58	44	44	146	06:30-06:45	166	146	312
23	04:45-05:00	29	29	38	95	23	06:45-07:00	49	37	37	123	06:45-07:00	95	123	218
24	05:00-05:15	29	29	38	95	24	07:00-07:15	49	37	37	123	07:00-07:15	95	123	218

DAY-11						DAY-11						DAY-11			
Thursday-Morning Peak						Thursday-Morning Peak						Thursday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi moor	Pindora	Total-Ridership
1	07:15-07:30	17	17	23	57	1	07:15-07:30	70	52	52	174	07:15-07:30	57	174	231
2	07:30-07:45	19	19	25	63	2	07:30-07:45	72	54	54	179	07:30-07:45	63	179	242
3	07:45-08:00	21	21	27	68	3	07:45-08:00	75	56	56	188	07:45-08:00	68	188	256
4	08:00-08:15	21	21	27	68	4	08:00-08:15	75	56	56	188	08:00-08:15	68	188	256
5	08:15-08:30	28	28	38	94	5	08:15-08:30	89	67	67	224	08:15-08:30	94	224	318
6	08:30-08:45	28	28	38	94	6	08:30-08:45	89	67	67	224	08:30-08:45	94	224	318
7	08:45-09:00	10	10	14	34	7	08:45-09:00	115	86	86	288	08:45-09:00	34	288	322
8	09:00-09:15	10	10	14	34	8	09:00-09:15	115	86	86	288	09:00-09:15	34	288	322
9	09:15-09:30	25	25	33	82	9	09:15-09:30	99	74	74	247	09:15-09:30	82	247	328
10	09:30-09:45	25	25	33	82	10	09:30-09:45	99	74	74	247	09:30-09:45	82	247	328
11	09:45-10:00	25	25	34	84	11	09:45-10:00	120	90	90	300	09:45-10:00	84	300	385
12	10:00-10:15	25	25	34	84	12	10:00-10:15	120	90	90	300	10:00-10:15	84	300	385
Thursday-Evening Peak						Thursday-Evening Peak						Thursday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	65	65	87	217	13	04:15-04:30	65	49	49	162	04:15-04:30	217	162	380
14	02:30-02:45	65	65	87	217	14	04:30-04:45	65	49	49	162	04:30-04:45	217	162	380
15	02:45-03:00	47	47	62	156	15	04:45-05:00	60	45	45	151	04:45-05:00	156	151	307
16	03:00-03:15	47	47	62	156	16	05:00-05:15	60	45	45	151	05:00-05:15	156	151	307
17	03:15-03:30	51	51	67	168	17	05:15-05:30	45	34	34	112	05:15-05:30	168	112	281
18	03:30-03:45	51	51	67	168	18	05:30-05:45	45	34	34	112	05:30-05:45	168	112	281
19	03:45-04:00	75	75	99	249	19	05:45-06:00	60	45	45	151	05:45-06:00	249	151	399
20	04:00-04:15	75	75	99	249	20	06:00-06:15	60	45	45	151	06:00-06:15	249	151	399
21	04:15-04:30	49	49	66	164	21	06:15-06:30	58	43	43	144	06:15-06:30	164	144	308
22	04:30-04:45	49	49	66	164	22	06:30-06:45	58	43	43	144	06:30-06:45	164	144	308
23	04:45-05:00	28	28	38	94	23	06:45-07:00	48	36	36	121	06:45-07:00	94	121	215
24	05:00-05:15	28	28	38	94	24	07:00-07:15	48	36	36	121	07:00-07:15	94	121	215

DAY-12						DAY-12						DAY-12			
Friday-Morning Peak						Friday-Morning Peak						Friday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi moor	Pindora	Total-Ridership
1	07:15-07:30	17	17	22	56	1	07:15-07:30	68	51	51	170	07:15-07:30	56	170	225
2	07:30-07:45	18	18	25	61	2	07:30-07:45	70	52	52	175	07:30-07:45	61	175	236
3	07:45-08:00	20	20	27	67	3	07:45-08:00	73	55	55	183	07:45-08:00	67	183	249
4	08:00-08:15	20	20	27	67	4	08:00-08:15	73	55	55	183	08:00-08:15	67	183	249
5	08:15-08:30	27	27	37	92	5	08:15-08:30	87	65	65	218	08:15-08:30	92	218	309
6	08:30-08:45	27	27	37	92	6	08:30-08:45	87	65	65	218	08:30-08:45	92	218	309
7	08:45-09:00	10	10	13	33	7	08:45-09:00	112	84	84	281	08:45-09:00	33	281	314
8	09:00-09:15	10	10	13	33	8	09:00-09:15	112	84	84	281	09:00-09:15	33	281	314
9	09:15-09:30	24	24	32	80	9	09:15-09:30	96	72	72	240	09:15-09:30	80	240	320
10	09:30-09:45	24	24	32	80	10	09:30-09:45	96	72	72	240	09:30-09:45	80	240	320
11	09:45-10:00	25	25	33	82	11	09:45-10:00	117	88	88	293	09:45-10:00	82	293	375
12	10:00-10:15	25	25	33	82	12	10:00-10:15	117	88	88	293	10:00-10:15	82	293	375
Friday-Evening Peak						Friday-Evening Peak						Friday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	63	63	85	212	13	04:15-04:30	63	47	47	158	04:15-04:30	212	158	370
14	02:30-02:45	63	63	85	212	14	04:30-04:45	63	47	47	158	04:30-04:45	212	158	370
15	02:45-03:00	46	46	61	152	15	04:45-05:00	59	44	44	147	04:45-05:00	152	147	299
16	03:00-03:15	46	46	61	152	16	05:00-05:15	59	44	44	147	05:00-05:15	152	147	299
17	03:15-03:30	49	49	66	164	17	05:15-05:30	44	33	33	109	05:15-05:30	164	109	273
18	03:30-03:45	49	49	66	164	18	05:30-05:45	44	33	33	109	05:30-05:45	164	109	273
19	03:45-04:00	73	73	97	242	19	05:45-06:00	59	44	44	147	05:45-06:00	242	147	389
20	04:00-04:15	73	73	97	242	20	06:00-06:15	59	44	44	147	06:00-06:15	242	147	389
21	04:15-04:30	48	48	64	160	21	06:15-06:30	56	42	42	140	06:15-06:30	160	140	300
22	04:30-04:45	48	48	64	160	22	06:30-06:45	56	42	42	140	06:30-06:45	160	140	300
23	04:45-05:00	27	27	37	92	23	06:45-07:00	47	35	35	118	06:45-07:00	92	118	210
24	05:00-05:15	27	27	37	92	24	07:00-07:15	47	35	35	118	07:00-07:15	92	118	210

DAY-13						DAY-13						DAY-13			
Saturday-Morning Peak						Saturday-Morning Peak						Saturday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	6	6	8	21	1	07:15-07:30	25	19	19	63	07:15-07:30	21	63	83
2	07:30-07:45	7	7	9	23	2	07:30-07:45	26	19	19	64	07:30-07:45	23	64	87
3	07:45-08:00	7	7	10	25	3	07:45-08:00	27	20	20	67	07:45-08:00	25	67	92
4	08:00-08:15	7	7	10	25	4	08:00-08:15	27	20	20	67	08:00-08:15	25	67	92
5	08:15-08:30	10	10	14	34	5	08:15-08:30	32	24	24	80	08:15-08:30	34	80	114
6	08:30-08:45	10	10	14	34	6	08:30-08:45	32	24	24	80	08:30-08:45	34	80	114
7	08:45-09:00	4	4	5	12	7	08:45-09:00	41	31	31	103	08:45-09:00	12	103	116
8	09:00-09:15	4	4	5	12	8	09:00-09:15	41	31	31	103	09:00-09:15	12	103	116
9	09:15-09:30	9	9	12	29	9	09:15-09:30	35	27	27	89	09:15-09:30	29	89	118
10	09:30-09:45	9	9	12	29	10	09:30-09:45	35	27	27	89	09:30-09:45	29	89	118
11	09:45-10:00	9	9	12	30	11	09:45-10:00	43	32	32	108	09:45-10:00	30	108	138
12	10:00-10:15	9	9	12	30	12	10:00-10:15	43	32	32	108	10:00-10:15	30	108	138
Saturday-Evening Peak						Saturday-Evening Peak						Saturday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	23	23	31	78	13	04:15-04:30	23	17	17	58	04:15-04:30	78	58	136
14	02:30-02:45	23	23	31	78	14	04:30-04:45	23	17	17	58	04:30-04:45	78	58	136
15	02:45-03:00	17	17	22	56	15	04:45-05:00	22	16	16	54	04:45-05:00	56	54	110
16	03:00-03:15	17	17	22	56	16	05:00-05:15	22	16	16	54	05:00-05:15	56	54	110
17	03:15-03:30	18	18	24	60	17	05:15-05:30	16	12	12	40	05:15-05:30	60	40	101
18	03:30-03:45	18	18	24	60	18	05:30-05:45	16	12	12	40	05:30-05:45	60	40	101
19	03:45-04:00	27	27	36	89	19	05:45-06:00	22	16	16	54	05:45-06:00	89	54	143
20	04:00-04:15	27	27	36	89	20	06:00-06:15	22	16	16	54	06:00-06:15	89	54	143
21	04:15-04:30	18	18	24	59	21	06:15-06:30	21	15	15	52	06:15-06:30	59	52	110
22	04:30-04:45	18	18	24	59	22	06:30-06:45	21	15	15	52	06:30-06:45	59	52	110
23	04:45-05:00	10	10	14	34	23	06:45-07:00	17	13	13	43	06:45-07:00	34	43	77
24	05:00-05:15	10	10	14	34	24	07:00-07:15	17	13	13	43	07:00-07:15	34	43	77

DAY-14						DAY-14						DAY-14			
Sunday-Morning Peak						Sunday-Morning Peak						Sunday-Morning Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Mandi Moor	Pindora	Total-Ridership
1	07:15-07:30	5	5	7	18	1	07:15-07:30	21	16	16	54	07:15-07:30	18	54	71
2	07:30-07:45	6	6	8	19	2	07:30-07:45	22	17	17	55	07:30-07:45	19	55	75
3	07:45-08:00	6	6	8	21	3	07:45-08:00	23	17	17	58	07:45-08:00	21	58	79
4	08:00-08:15	6	6	8	21	4	08:00-08:15	23	17	17	58	08:00-08:15	21	58	79
5	08:15-08:30	9	9	12	29	5	08:15-08:30	28	21	21	69	08:15-08:30	29	69	98
6	08:30-08:45	9	9	12	29	6	08:30-08:45	28	21	21	69	08:30-08:45	29	69	98
7	08:45-09:00	3	3	4	10	7	08:45-09:00	35	27	27	89	08:45-09:00	10	89	99
8	09:00-09:15	3	3	4	10	8	09:00-09:15	35	27	27	89	09:00-09:15	10	89	99
9	09:15-09:30	8	8	10	25	9	09:15-09:30	30	23	23	76	09:15-09:30	25	76	101
10	09:30-09:45	8	8	10	25	10	09:30-09:45	30	23	23	76	09:30-09:45	25	76	101
11	09:45-10:00	8	8	10	26	11	09:45-10:00	37	28	28	92	09:45-10:00	26	92	118
12	10:00-10:15	8	8	10	26	12	10:00-10:15	37	28	28	92	10:00-10:15	26	92	118
Sunday-Evening Peak						Sunday-Evening Peak						Sunday-Evening Peak			
S.No	Time	Embarking	Disembarking	Riding	Total Riding	S.No	Time	Embarking	Disembarking	Riding	Total Riding	Time	Total Riding	Total Riding	
13	02:15-02:30	20	20	27	66	13	04:15-04:30	20	15	15	50	04:15-04:30	67	50	117
14	02:30-02:45	20	20	27	66	14	04:30-04:45	20	15	15	50	04:30-04:45	67	50	117
15	02:45-03:00	14	14	19	48	15	04:45-05:00	19	14	14	46	04:45-05:00	48	46	94
16	03:00-03:15	14	14	19	48	16	05:00-05:15	19	14	14	46	05:00-05:15	48	46	94
17	03:15-03:30	16	16	21	51	17	05:15-05:30	14	10	10	34	05:15-05:30	52	35	86
18	03:30-03:45	16	16	21	51	18	05:30-05:45	14	10	10	34	05:30-05:45	52	35	86
19	03:45-04:00	23	23	31	76	19	05:45-06:00	19	14	14	46	05:45-06:00	77	46	123
20	04:00-04:15	23	23	31	76	20	06:00-06:15	19	14	14	46	06:00-06:15	77	46	123
21	04:15-04:30	15	15	20	50	21	06:15-06:30	18	13	13	44	06:15-06:30	50	44	95
22	04:30-04:45	15	15	20	50	22	06:30-06:45	18	13	13	44	06:30-06:45	50	44	95
23	04:45-05:00	9	9	12	29	23	06:45-07:00	15	11	11	37	06:45-07:00	29	37	66
24	05:00-05:15	9	9	12	29	24	07:00-07:15	15	11	11	37	07:00-07:15	29	37	66

Average Daily Ridership for Week days in DOWN direction				
Average Ridership-10 Weekdays				
Time	Mandi Moor	Pindora	Total-Ridership	Peak Hour Ridership
07:15-07:30	57	175	232	
07:30-07:45	63	180	243	
07:45-08:00	69	188	257	
08:00-08:15	69	188	257	988
08:15-08:30	94	224	318	1075
08:30-08:45	94	224	318	1150
08:45-09:00	34	289	323	1216
09:00-09:15	34	289	323	1283
09:15-09:30	82	247	329	1293
09:30-09:45	82	247	329	1304
09:45-10:00	84	301	386	1367
10:00-10:15	84	301	386	1430
Evening Peak				
Time	Total Riding	Total Riding	Peak Hour Ridership	
04:15-04:30	202	164	366	
04:30-04:45	203	165	367	
04:45-05:00	148	155	303	
05:00-05:15	148	155	303	1339
05:15-05:30	162	123	285	1258
05:30-05:45	162	123	285	1175
05:45-06:00	228	164	393	1266
06:00-06:15	228	164	393	1356
06:15-06:30	156	154	311	1381
06:30-06:45	156	154	311	1407
06:45-07:00	93	139	232	1246
07:00-07:15	93	139	232	1086

Average Ridership-4 Weekend-days				
Time	Dakkhana Stop	G-11 Chowk	Total-Ridership	Peak Hour Ridership
07:15-07:30	19	58	77	
07:30-07:45	21	59	80	
07:45-08:00	23	62	85	
08:00-08:15	23	62	85	327
08:15-08:30	31	74	105	356
08:30-08:45	31	74	105	381
08:45-09:00	11	96	107	402
09:00-09:15	11	96	107	424
09:15-09:30	27	82	109	428
09:30-09:45	27	82	109	431
09:45-10:00	28	100	128	452
10:00-10:15	28	100	128	473
Evening Peak				
Time	Total Riding	Total Riding	Peak Hour Ridership	
04:15-04:30	108	81	190	
04:30-04:45	108	81	190	
04:45-05:00	78	75	153	
05:00-05:15	78	75	153	685
05:15-05:30	84	56	140	636
05:30-05:45	84	56	140	587
05:45-06:00	124	75	199	633
06:00-06:15	124	75	199	679
06:15-06:30	82	72	154	692
06:30-06:45	82	72	154	706
06:45-07:00	47	60	107	614
07:00-07:15	47	60	107	522

**APPENDIX – V: COMPARISON OF KEY TANGIBLE
AND INTANGIBLE ATTRIBUTES (PROPOSED VS.
EXISTING SERVICE)**

Tangible Attributes

Comparison of tangible attributes (Route A – IJP)

S.NO	Key tangible Service attribute	Route A – IJP	Existing Transit Service	Conclusion
1	One Side Time travel	48.5 min	80 min	>30 minutes saved
2	Cycle Time	97 min	160 min	>60 minutes saved
3	Vehicle Capacity	83	16	Higher capacity and less potential for road congestion.
4	Service Headway	5 min	Uncertain (2 min to 5 mins)	More reliable and timely provision of service.
5	Total Number of stops	11	22	All informal routes excluded improving the time of travel.
6	Speed on road	17 km/h	10-15 km/h	Existing vehicle are faster but less safe.

7	Passenger waiting time	5 mins	2 mins to 10 mins. (May have to wait for up to 20mins at time.)	More reliable service resulting in less waiting time.
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Comparison of tangible attributes (Route B – Islamabad Expressway)

S.NO	Key tangible Service attribute	Route B – Islamabad Expressway	Existing Transit Service	Remarks
1	One Side Time travel	58 min	70 min	12 minutes saved
2	Cycle Time	116 min	140 min	24 minutes saved
3	Vehicle Capacity	83	16	Higher capacity and less potential for road congestion.
4	Service Headway	5 min	Uncertain (2 min to 5 mins)	More reliable and timely provision of service.

5	Total Number of stops	22	38 (including formal and informal)	All informal routes excluded improving the time of travel.
6	Speed on road	30 km/h	20 - 40km/h	Existing vehicle are faster but less safe.
7	Passenger waiting time	5 mins	2 mins to 5 mins.	More reliable service resulting in less waiting time.

Intangible attributes

Comparison of intangible attributes of proposed vs. existing service.

S.NO	Key in-tangible Service attribute	Proposed Corridors	Existing service	Remarks
1	Safety	12m long design vehicles with trained drivers and staff	Unsafe driving practices and unsatisfactory vehicle conditions.	Proposed Corridor Better
2	Comfort	12 m long AC urban buses. with ample seating capacity	Non-AC 16 seater vans with congested seating space. Unsatisfactory vehicle conditions	Proposed Corridor Better

3	Quality of Service	Professional, trained staff and QA checks.	Poor quality of service by the driver and conductor.	Proposed Corridor Better
4	Reliability	Defined headway, professional staff and standard design vehicles	Unreliable cycle time, headway, quality of service in the vehicles.	Proposed Corridor Better
5	Security	Separate seating for women and compartmentalization.	No separate seating for women, higher passenger than actual capacity	Proposed Corridor Better