|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name/required**  **addresses** | **Between** | **Subnet address** | **Address range** | **Broadcast** | **Subnet Mask** |
| Network1(Entertainment) | (Entertainment Switch) | **192.168.0.0/28** | **1-62** | **63** | **255.255.255.192** |
| Wan1 | 8 (Entertainment-Iot Register Router) | **192.168.0.64/28** | **65-126** | **127** | **255.255.255.192** |
| Network3(ISP-Internet) | 5 (ISP Internet Switch) | **192.168.0.128/28** | **129-190** | **191** | **255.255.255.192** |
| Network4(Jawad’s Home) | 4 (J Home Switch) | **192.168.0.192/28** | **193-254** | **255** | **255.255.255.192** |
| Network5(Mahmood’s Home) | 4 (M Home Switch) | **192.168.0.224/29** | **225-254** | **255** | **255.255.255.192** |
| Network 6(local-ISP) | 3 (Local ISP S1) | **192.168.0.56/29** | **57-62** | **63** | **255.255.255.248** |
| Networ7(Control House) | 3 (Control House Switch 2) | **192.168.0.64/29** | **65-70** | **71** | **255.255.255.248** |
| Network8(Power Station) | 3 (Power House Switch) | **192.168.1.72/29** | **73-78** | **79** | **255.255.255.248** |
| Network9(Tahneyat’s Home) | 3 (T Home Switch) | **192.168.1.80/29** | **81-86** | **87** | **255.255.255.248** |
| Network10 (Samiya’s Home) | 3 (S Home Switch) | **192.168.1.88/29** | **89-94** | **95** | **255.255.255.248** |
| Network 11(ISP-Internet) | 2 (IOT Register R) | **192.168.1.96/30** | **97- 98** | **99** | **255.255.255.252** |
| Network 12(ISP-Internet) | 2 (Entertainment R) | **192.168.1.100/30** | **101-102** | **103** | **255.255.255.252** |
| Wan 1(ISP-Internet) | 2 (Iot Register- Entertainment R) | **192.168.1.104/30** | **105-106** | **107** | **255.255.255.252** |
| Wan 2 (local-ISP) | 2 (Local ISP R1) | **192.168.1.108/30** | **109-110** | **111** | **255.255.255.252** |
| Wan 3 (local-ISP) | 2 (Local ISP R2) | **192.168.1.112/30** | **113-114** | **115** | **255.255.255.252** |