**Table 4.** Optimum number of hidden layer neurons and activation functions of eight MLPs used against eight input combinations for three study locations.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Locations | Input combinations | MLPs | Number of nodes in input layer | Number of nodes in hidden layer | Activation functions |
| Berubari | *C*1*C*2*C*3*C*4*C*5*C*6*C*7*C*8 | MLP1MLP2MLP3MLP4MLP5MLP6MLP7MLP8 | 8272727818181243 | 57812116159 | SigmoidTangent hyperbolicTangent hyperbolicTangent hyperbolicTangent hyperbolicTangent hyperbolicTangent hyperbolicTangent hyperbolic |
| Jayanti | *C*1*C*2*C*3*C*4*C*5*C*6*C*7*C*8 | MLP1MLP2MLP3MLP4MLP5MLP6MLP7MLP8 | 8272727818181243 | 10111067766 | Tangent hyperbolicTangent hyperbolicTangent hyperbolicSigmoidTangent hyperbolicTangent hyperbolicTangent hyperbolicTangent hyperbolic |
| Tamaguri | *C*1*C*2*C*3*C*4*C*5*C*6*C*7*C*8 | MLP1MLP2MLP3MLP4MLP5MLP6MLP7MLP8 | 8272727818181243 | 141071481068 | Tangent hyperbolicTangent hyperbolicTangent hyperbolicSigmoidTangent hyperbolicSigmoidTangent hyperbolicTangent hyperbolic |