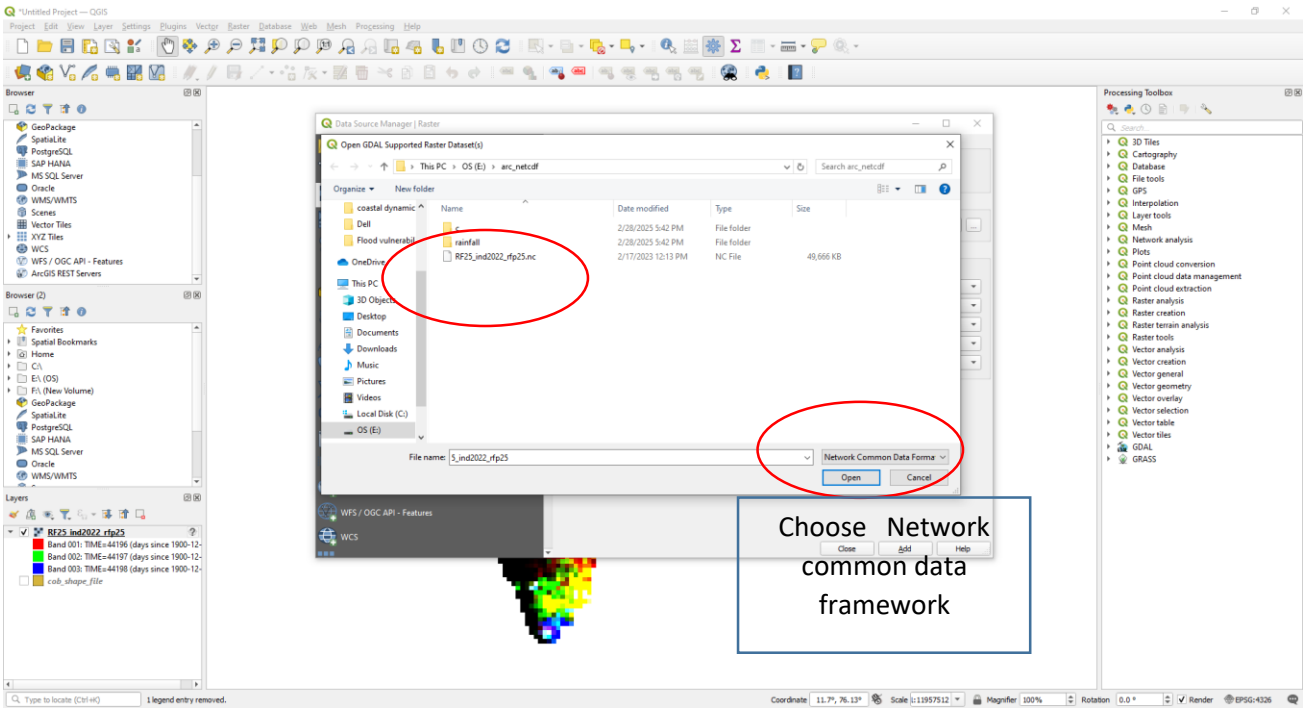
Netcdf file in QGIS

And Calculate Monthly rainfall

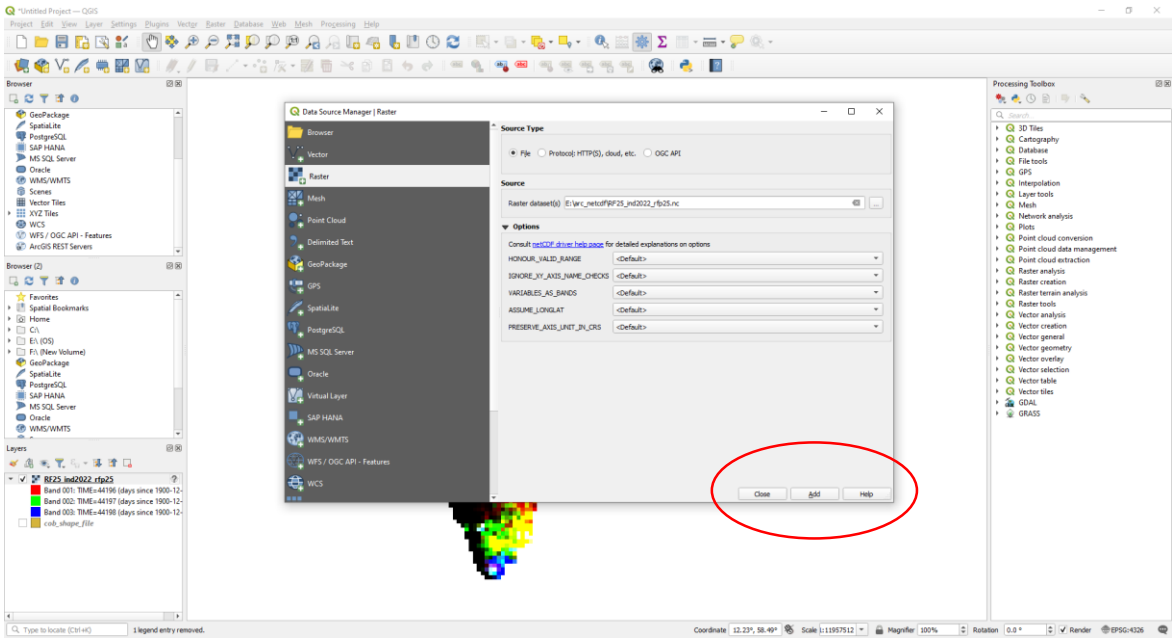
Also clipping the area using extend (lat lon)

Pradip Sarkar

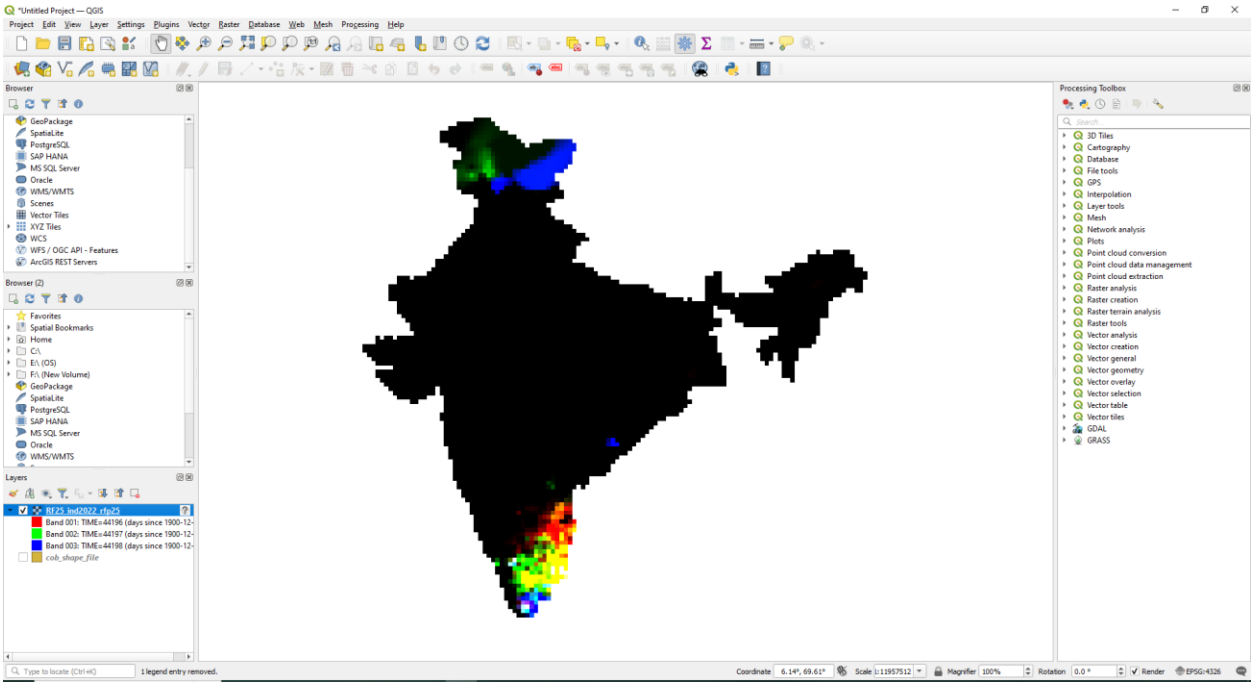
1. Open Qgis
2. Go to Layer
3. Add Layer
4. Add raster layer



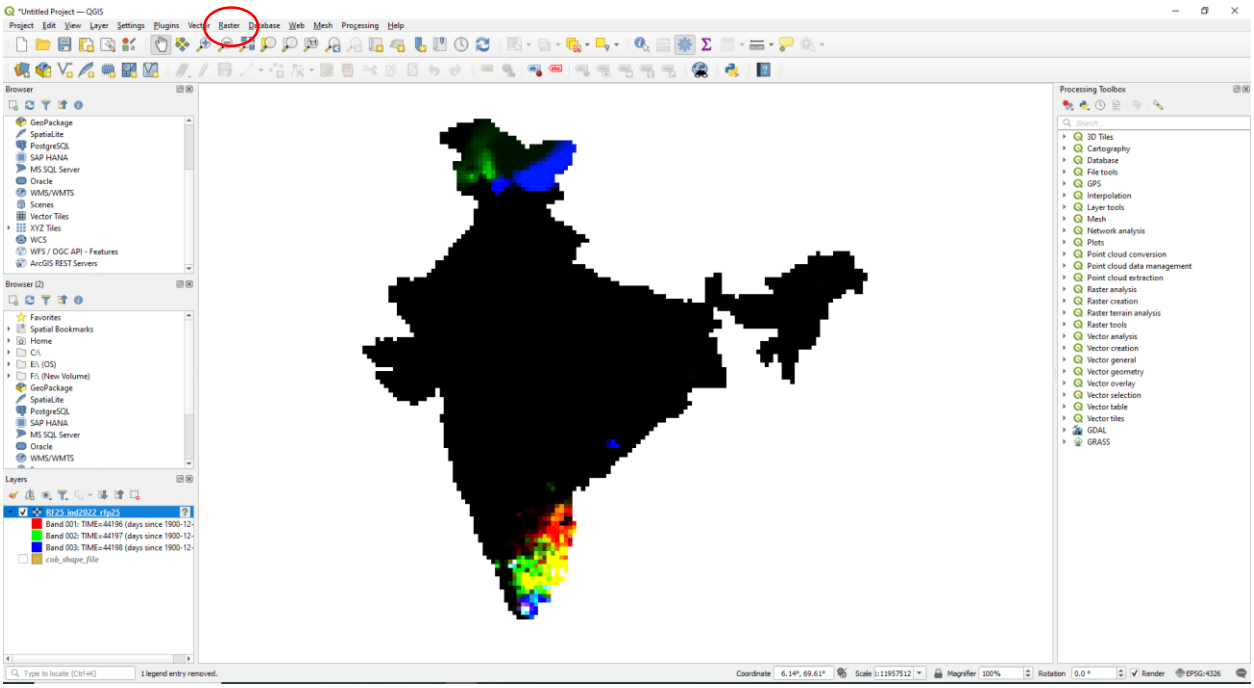
5. Select Network common data framework
6. Choose nc file which you want to add



7. Add the layer
8. The layer look like this (the following layer) this one



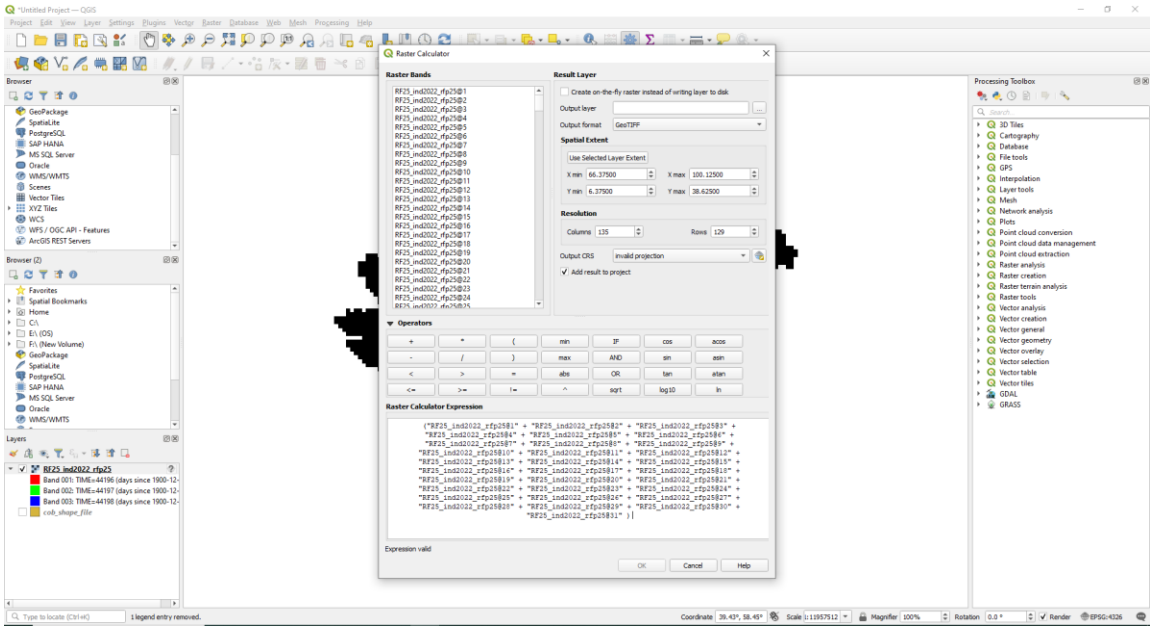
1. Go to Raster
2. Click Raster calculator



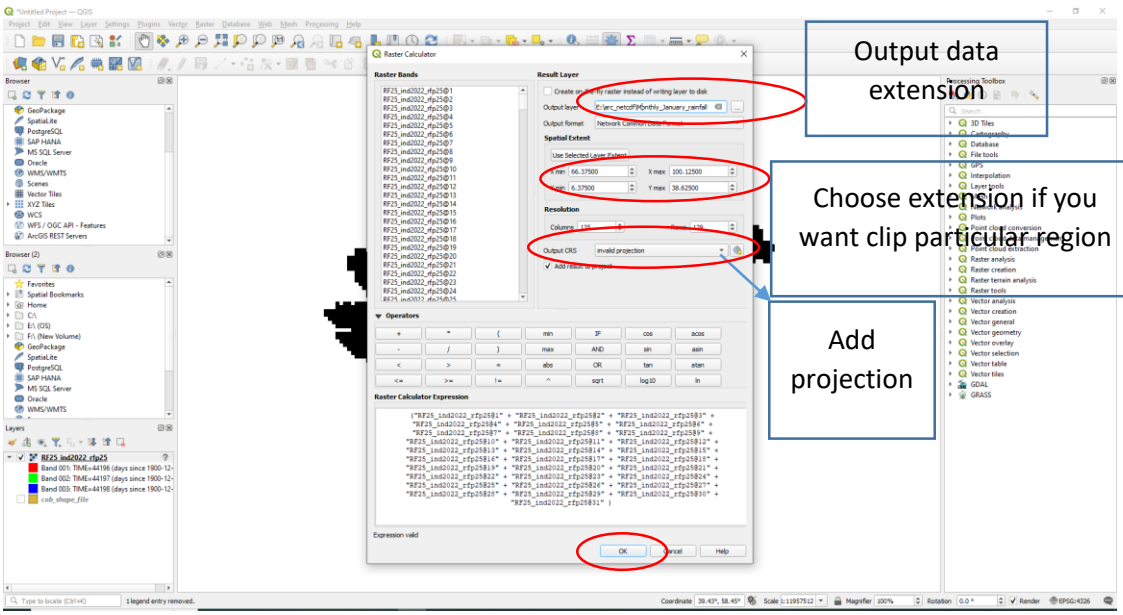
1. Select the Band (in my case I want to calculate January month rainfall
2. Click Raster calculator and add all the band
   from

```
("RF25_ind2022_rfp25@1" + "RF25_ind2022_rfp25@2" + "RF25_ind2022_rfp25@3" +
 "RF25_ind2022_rfp25@4" + "RF25_ind2022_rfp25@5" + "RF25_ind2022_rfp25@6" +
 "RF25_ind2022_rfp25@7" + "RF25_ind2022_rfp25@8" + "RF25_ind2022_rfp25@9" +
"RF25_ind2022_rfp25@10" + "RF25_ind2022_rfp25@11" + "RF25_ind2022_rfp25@12" +
"RF25_ind2022_rfp25@13" + "RF25_ind2022_rfp25@14" + "RF25_ind2022_rfp25@15" +
"RF25_ind2022_rfp25@16" + "RF25_ind2022_rfp25@17" + "RF25_ind2022_rfp25@18" +
"RF25_ind2022_rfp25@19" + "RF25_ind2022_rfp25@20" + "RF25_ind2022_rfp25@21" +
"RF25_ind2022_rfp25@22" + "RF25_ind2022_rfp25@23" + "RF25_ind2022_rfp25@24" +
"RF25_ind2022_rfp25@25" + "RF25_ind2022_rfp25@26" + "RF25_ind2022_rfp25@27" +
"RF25_ind2022_rfp25@28" + "RF25_ind2022_rfp25@29" + "RF25_ind2022_rfp25@30" +
                          "RF25_ind2022_rfp25@31" )
```

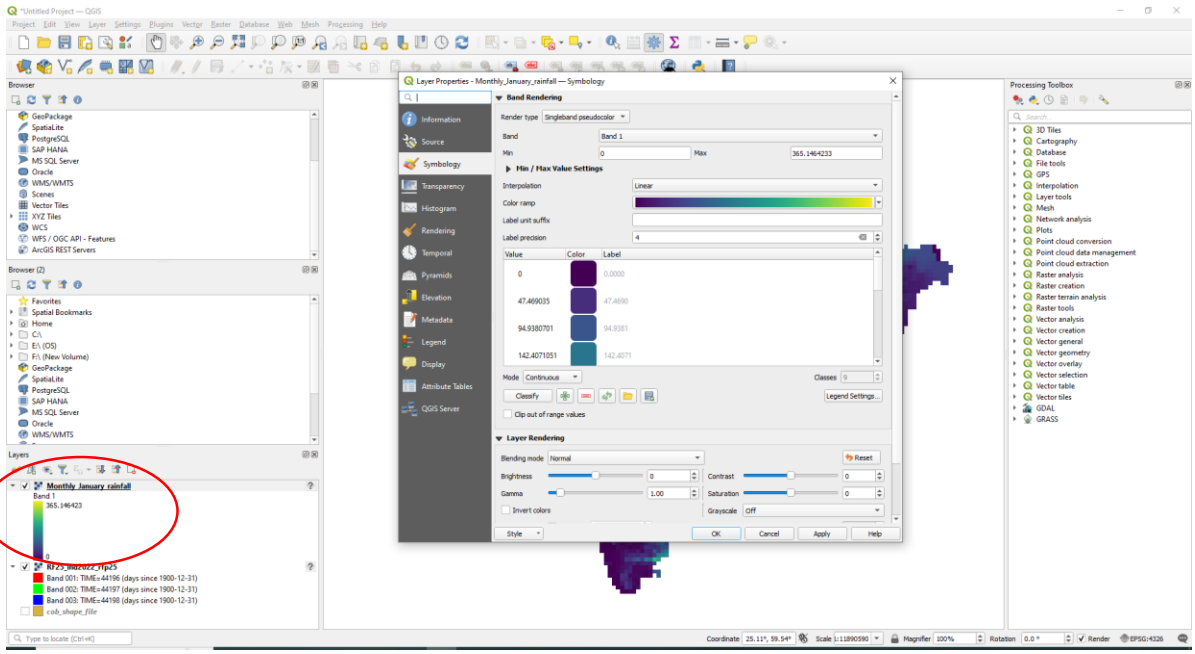
1. Select the Band (in my case I want to calculate January month rainfall
2. Click Raster calculator and add all the band
   From (see the following picture), You may use excel for bigger calculation



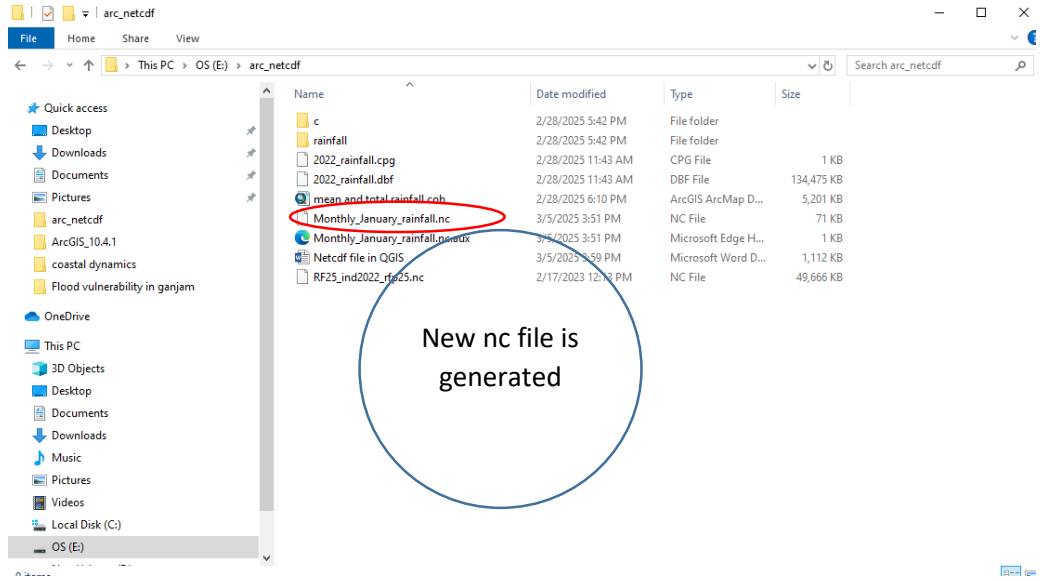
1. Choose Output layer name and Output extension file (My case I chose Network common data framework/nc format)
2. Choose extension
3. Add projection and click ok



1. The new file name automatically add in the layer panel and ban will be one
2. Then analysis as per as your need on the basisa of new nc file

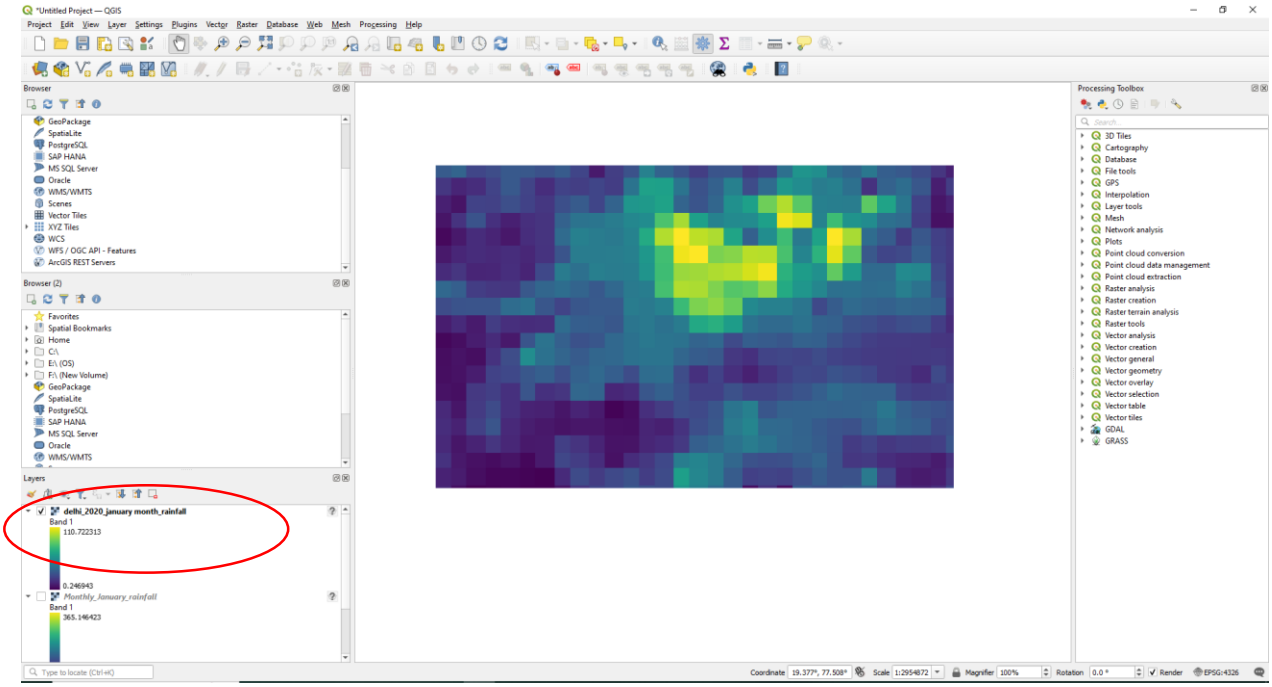


The following nc file in generated after raster calculation done and analysis it as per as your need



Clipped result

After clipping result will be like this



The nc file is generated like this