

## MT AGUNG ACTIVITY REPORT

Date: 05-01-2018 from Gaia-Oasis Tejakula.

### \*SITUATION AT GAIA-OASIS\*

Since 1st January, Mt Agung has had 2 small eruptions with ash columns reaching 1500 mtrs, and continuous volcanic tremor.

Eruptive material is in the form of lava filling the crater, volcanic gusts/ash eruptions, and stones/lapilli being ejected around the crater

Ashfall has been reported in the South/South West, as far away as Denpasar and Gianyar.

Yesterday afternoon 4th January, the Volcanology Board issued a statement reducing the radius of the Danger Zone around Mt Agung, from 8 – 10 kms, to 6 kms..

The activity status remains at Level 4, “Beware”, as the volcano is still in a eruptive phase and is impacting several residential areas.

The reduced Danger Zone means those people living beyond 6kms of the volcano can return home, although they should still remain alert.

As at 6pm on 4 January 2018, there are 70,205 refugees spread in 240 centres in Bali.

Seismic activity indicates that there is still pressure and magma flow to the surface; even so, there is no significant increasing trend.

In the last few days, deformation data has been largely stagnant.

Geochemical data shows there is still magmatic SO<sub>2</sub> gases with flux of 100 – 300 tons/ day.

The risk of rock, sand, grit and thick ash is expected to impact the areas within 6 kms of the crater.

The risk of lahar mud flows will follow the river valleys which have their headwaters in Mt Agung, depending on the volume of water and eruptive material.

The current intermittent eruptions mean that the risk of pyroclastic flows is relatively small.

In addition to the slowing rate of lava filling the crater, the build-up of pressure is not showing any significant increases,

Whereas it requires strong build-up of pressure to cause the lava dome to break and trigger pyroclastic flows.

Bali Airport is normal and Banyuwangi Airport is ready and on standby.

Aviation notice (VONA) today is unchanged since 24 December 2017, at ORANGE.

No volcanic ash advisory from the Darwin VAAC has been issued.

Although in a eruptive phase, Mt Agung has been gentle so far with largely effusive eruptions.

The potential for an explosive eruption remains but it appears to be reducing, with the decreasing radius of the Danger Zone.

We pray that whatever happens will lead to greater good and balance in the world;

Om Santih Santih Santih Om

Blessings & peace,

Yen and the Gaia Team