

## ASX ANNOUNCEMENT

Date: 15 December 2020

Nusantara Resources Limited  
ABN 69 150 791 290

### Registered Office:

Level 4, 100 Albert Road,  
South Melbourne Vic 3205  
Ph: +61 (3) 9692 7222

### Issued Capital

229,273,007 shares  
20,000,000 unlisted options  
8,275,318 unlisted employee  
options and performance rights

### Substantial Holders

PT Indika Energy TBK	29%
Lion Selection Group	23%
Federation Mining Pty Ltd, IMF Pty Ltd, and Simon Le Messurier	13%

Nusantara Resources Limited is listed on the Australian Securities Exchange – ticker symbol NUS

Dollar values in this report are United States Dollars unless otherwise stated.

Enquiries regarding this report may be directed to:

Mr Neil Whitaker  
Managing Director  
Ph: +62 (0) 811 1310 9191  
or

Mr David Waterhouse  
Investor Relations  
Ph: +61 (0) 407 880 937

This announcement has been authorised by the Managing Director/Board

## AWAK MAS CLOSE SPACED DRILLING AND EXPLORATION GEOPHYSICS UPDATE

- **Close spaced diamond drilling identifies further broad intervals and individual high grades, including several new “feeder” structures.**
- **Highlight intersections include:**
  - TGD042 14m @ 4.95g/t Au from 50m (incl 9.0m @ 7.56g/t Au)
  - TGD054 26m @ 3.15g/t Au from 31m (incl 1m @ 10.04g/t from 33m, 5m @ 5.14g/t Au from 37m and 5m @ 5.06g/t Au from 50m)
- **Induced Polarization data collection complete for three of four survey areas, with interpretation in February 2021 to enhance targeting over areas of interest within 20km of prospective strike at Awak Mas that has been poorly explored to date**
- **On track for Mineral Resource update featuring Maiden Measured Resources in March / April 2021**

Nusantara Resources is pleased to provide an update on key geological work programs: close spaced diamond drilling in the Tanjung domain and Induced Polarization (IP) geophysics over near mine areas.

Close Spaced drilling is targeting the areas of first mining production to provide additional drill data density to delineate a Measured Resource in early 2021.

Tanjung is a geological domain within the main Awak Mas deposit that is major contributor in the early mining schedule. Results include numerous broad intersections (up to 37m) and individual high grades (up to 21.0g/t gold).

IP geophysics surveys are being conducted over key target areas that are close to existing resources and expected to provide a third dimension of data to enable exploration targeting in the near mine area prior to mine development.

Neil Whitaker, Managing Director commented *“the drilling results from Tanjung are tremendous, with broad intersections as well as individually high grades: drilling has intersected more of the narrow, higher grade feeder structures that we see throughout the deposit. And, we expect to see new targets emerge in the near mine area when we complete processing and interpretation of the IP early in 2021.”*

### About Nusantara Resources

Nusantara is an ASX Listed gold development company with its flagship Awak Mas Gold Project located in South Sulawesi, Indonesia.

## CLOSE SPACED TANJUNG DIAMOND DRILLING

Nusantara has been conducting close spaced infill diamond drilling in parallel with Front End Engineering and Design (FEED) works that will de-risk the Awak Mas Gold Project.

Close spaced drilling is intended to provide sufficient drill data density to enable delineation of Measured Resources over areas that are within the Initial Mining Area (IMA), which encompasses the initial years of the mining schedule.

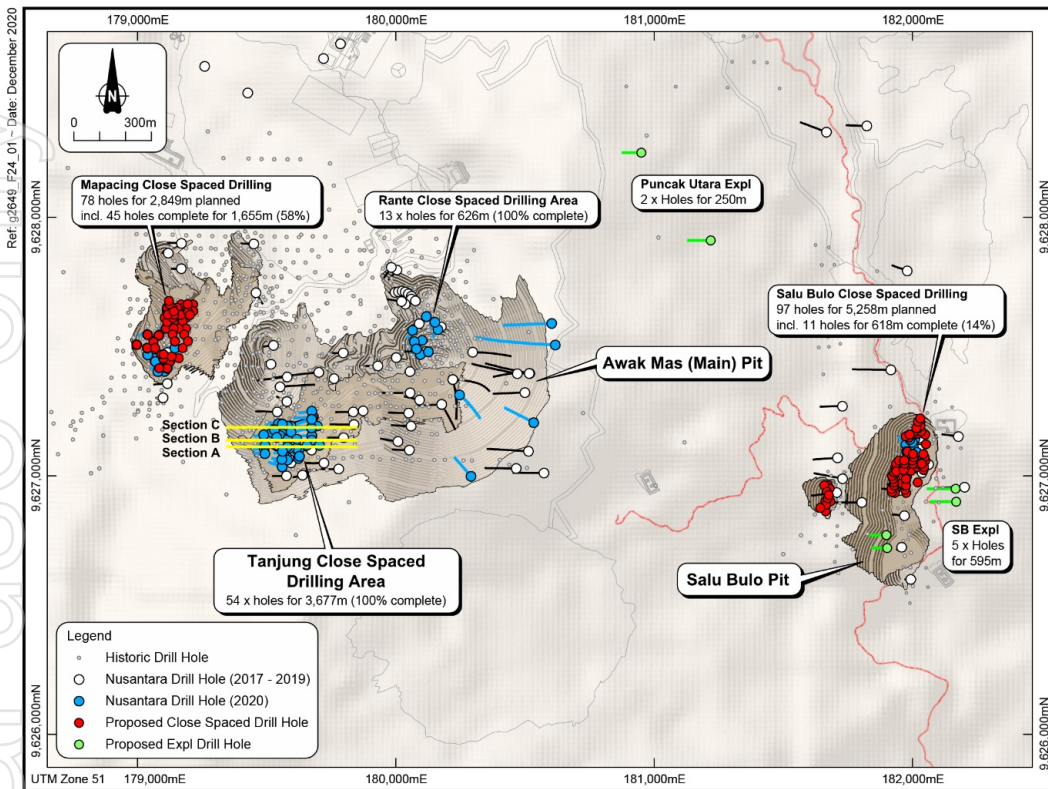
The improved resolution of closer spaced data will also define areas of low grade or waste within the existing Resource. The IMA comprises starter pits at Tanjung and Mapacing which are geological domains within the greater Awak Mas deposit, as well as at the Salu Bulu Satellite deposit.

All assay results have now been received for the completed Tanjung drilling which comprised 54 holes for 3,677 meters; key results are shown below. Logging and assays of drilling at Tanjung are broadly in line with the existing mineralisation model and confirm the expected mineralisation geometries and grade distribution.

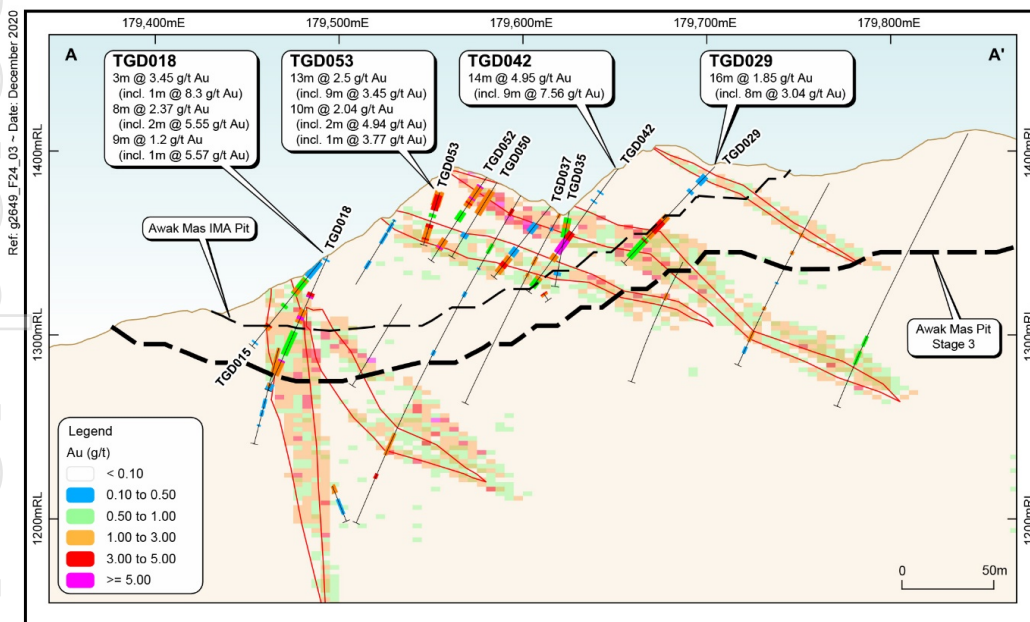
Selected results from Tanjung drilling include:

TGD054	26m @ 3.15g/t Au from 31m (incl 1m @ 10.04g/t from 33m, 5m @ 5.14g/t Au from 37m and 5m @ 5.06g/t Au from 50m)
TGD003	19m @ 1.26g/t Au from 0m (incl 7m @ 2.76g/t Au from 8m)
TGD020	18m @ 1.93g/t Au from 42m (incl 5m @ 5.09g/t Au from 54m)
TGD042	14m @ 4.95g/t Au from 50m (incl 9m @ 7.56g/t Au)
TGD026	14m @ 2.97g/t Au from 27m (incl 1m @ 21.0g/t Au from 27m, 3m @ 4.65g/t Au from 37m and 3m @ 6.01g/t Au from 45m)
TGD052	14m @ 2.65g/t Au from 6m (incl 1m @ 18.96g/t Au from 14m)
TGD053	13m @ 2.5g/t Au from 20m (incl 9m @ 3.45g/t Au from 24m)
TGD008	11m @ 2.32g/t Au from 43m (incl 1m @ 15.95g/t Au from 43m)

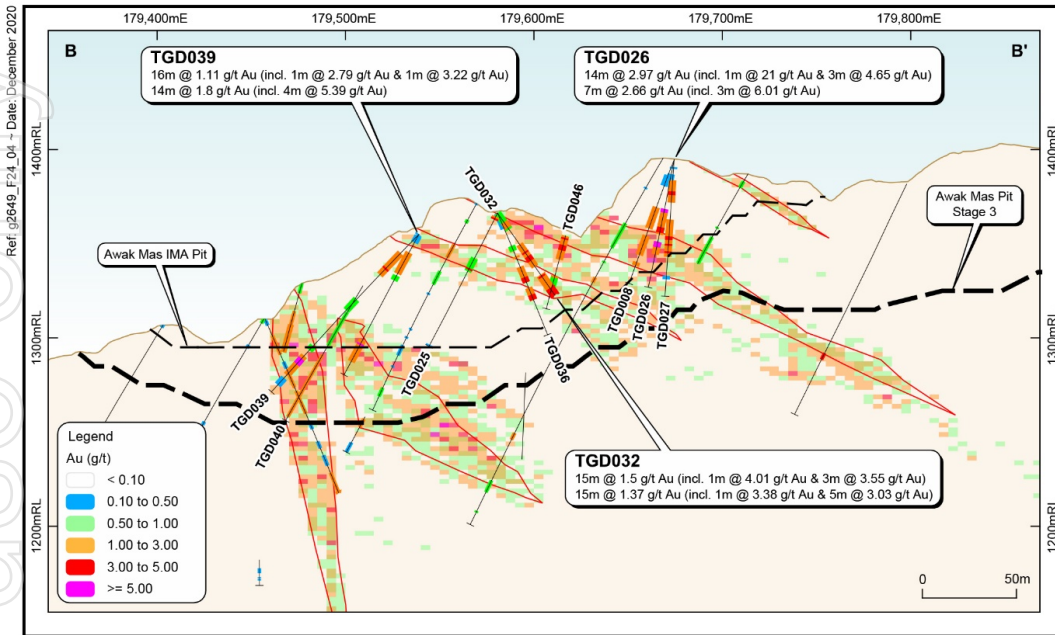
Several high-grade intercepts returned are interpreted to occur within sub-vertical “feeder” structures, of which several new occurrences have been intersected by this drilling program. Similar structures were identified in the close spaced drilling at Rante which were reported on 21 September 2020. Broad ore zones which include some high grades, demonstrate the productive nature of the geology in the Awak Mas system.



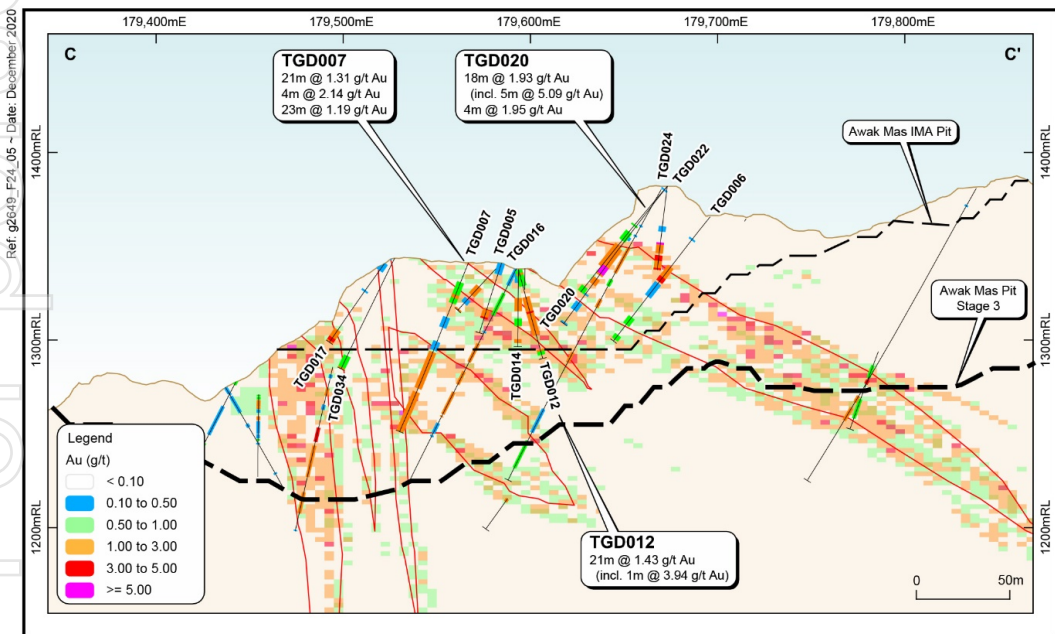
**Figure 1:** Plan view of the close spaced drilling programs for Awak Mas and Salu Bulu showing % completion and work in progress. Cross sections A, B and C are shown below.



**Figure 2:** Cross section A through the Tanjung domain, Awak Mas deposit (looking North); shows recently completed close spaced drilling, existing mineral resource model (model shapes and blocks), and open pit designs (including the Initial Mining Area (IMA) “starter” pit shell) with significant results confirming continuity of mineralisation within the IMA pit shell. Intersection in TGD053 from outside of the existing model is interpreted to be a previously unidentified feeder structure, which are locally associated with high grades of gold elsewhere within the Awak Mas deposit.



**Figure 3:** Cross section B through the Tanjung domain, Awak Mas deposit (looking North); shows recently completed close spaced drilling, existing mineral resource model (model shapes and blocks), and open pit designs (including the Initial Mining Area (IMA) “starter” pit shell) with significant results confirming continuity of mineralisation within the IMA pit shell. Intersections in TGD008, 026 and 027 from outside of the existing model are interpreted to be a previously unidentified feeder structure, which are locally associated with high grades of gold elsewhere within the Awak Mas deposit.



**Figure 4:** Cross section C through the Tanjung domain, Awak Mas deposit (looking North); shows recently completed close spaced drilling, existing mineral resource model (model shapes and blocks), and open pit designs (including the Initial Mining Area (IMA) “starter” pit shell) with significant results confirming continuity of mineralisation within the IMA pit shell.

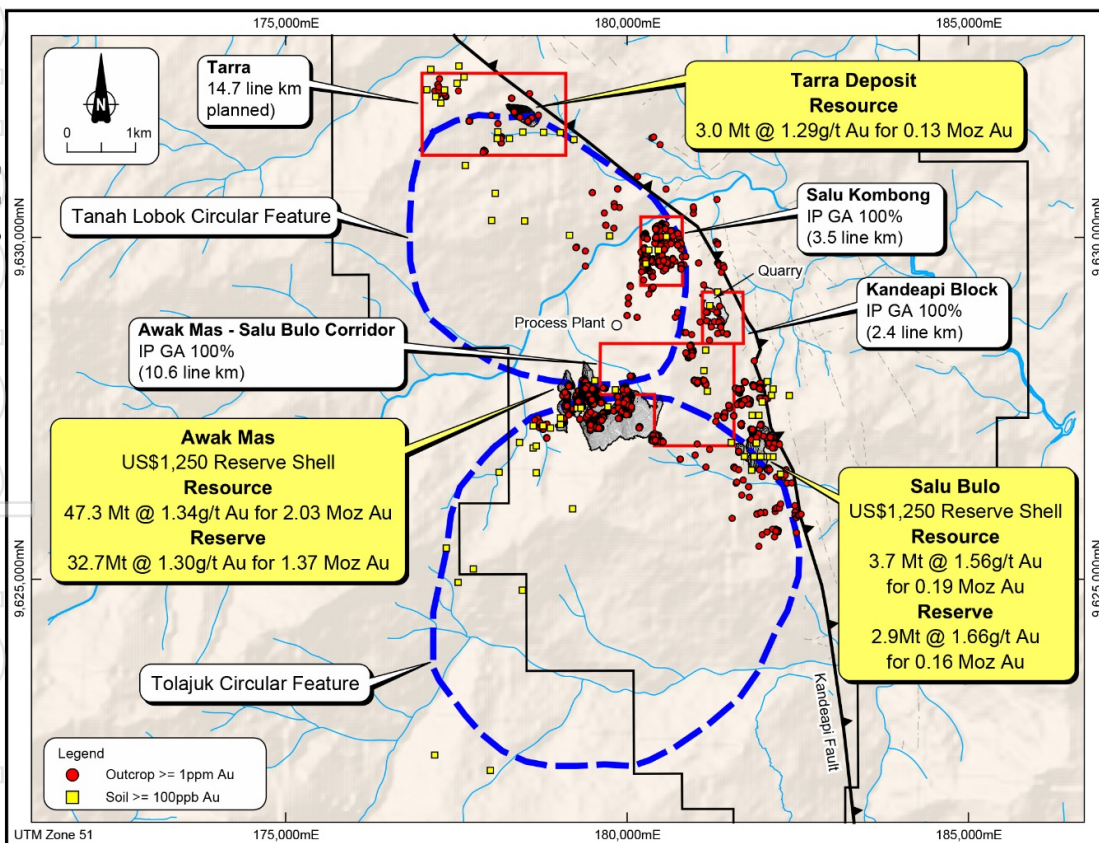


The total program of close spaced drilling is for approximately 12,300m of diamond drilling, which is now approximately 48% complete. Rante and Tanjung are complete, and drilling is underway at Mapacing (58% complete) and Salu Bulu (14% complete) with seven drill rigs in operation. Close spaced drilling is expected to be complete by late January 2021 with all assay results by early February 2021, providing for a Mineral Resource update by end of February 2021. The drilling program design has been reviewed by Nusantara’s external Mineral Resource consultant, Cube Consulting.

This program of drilling will also test the potential for grade increases which was highlighted as an opportunity in the 2018 Bankable Feasibility Study.

### INDUCED POLARIZATION GEOPHYSICS & REGIONAL EXPLORATION

Nusantara recognizes the prospectivity of the Awak Mas Gold Project, with a Contract of Work that covers 143.9km<sup>2</sup>, featuring numerous scattered occurrences of gold mineralisation, and only shallow drilling that is clustered at the established Resources at Awak Mas, Salu Bulu and Tarra. Historic work has focused on the known areas of mineralisation and the broader license has been poorly explored.



**Figure 5:** Plan view of key prospect areas in the near mine area, showing twin annular features, the Kandeapi Shear that transects the area from NNW to SSE, and anomalous surface samples. Note the locations of defined Resources – Awak Mas occurs between the annular features, Salu Bulu and Tarra both occur where the Kandeapi Shear and annular features intersect. Locations of IP surveys are shown in red – data collection is complete for the the Awak Mas-Salu Bulu, Kandeapi and Salu Kombong blocks and underway on the Tarra block.

The broad scale controls on gold mineralisation at Awak Mas are currently understood to include:

- The NNW-SSE trending regional scale Kandeapi shear, and secondary structures
- Two, circa 5km diameter annulus interpreted from 1990's era airborne magnetics and radiometrics, thought to be intrusive features underling the sedimentary package of host rocks

The Awak Mas – Salu Bulu trend extends over 5km in strike extent, hosts the majority of Mineral Resources estimated at Awak Mas (the Awak Mas and Salu Bulu deposits) and trends East-West between the two annular features to intersect the Kandeapi fault where Salu Bulu occurs. The known Resources occupy around 2km of the strike of this zone, although are based on shallow drilling (averaging <150m drill depth). The full strike extent is considered prospective and has been poorly tested despite the likelihood of geological connectivity between the two delineated zones of mineralisation.

There is over 15km of strike of the Kandeapi shear within the Contract of Work, which is prospective along its length for mineralisation either in the hangingwall ophiolite sequence (to the east) or the footwall sediments (to the west). All mineral resources occur within the sediments, which have previously been regarded as the most amenable host for gold mineralisation and prospecting efforts, which have been largely perfunctory, having ignored the ophiolite sequence.

IP geophysics is testing for conductivity and resistivity anomalies, which may be hallmarks of silica alteration that is associated with gold mineralisation in the region. Following the successful pilot of IP at Salu Bulu in 2019, these surveys are the first modern geophysics to be conducted on the Contract of Work and are expected to provide a deeper insight to potential new targets in the areas chosen for survey.

IP survey areas have been selected to enhance geological interpretations in areas that already feature reasonable data coverage. The areas being surveyed include the Awak Mas – Salu Bulu corridor, the Kandeapi and Salu Kombong prospects which are proximal to the Kandeapi shear and feature existing gold anomalism in surface samples, and the area surrounding an existing Resource of 130koz of gold at Tarra. Data collection is complete for three of the four survey areas, and in progress at Tarra. This work is expected to conclude by end of January 2021, to be followed by approximately four weeks for processing and interpretation.

In parallel to IP geophysics, Nusantara is reviewing all historic data that has been gathered by several generations of previous license owners. This includes surface samples, regional airborne radiometric geophysics gathered in the 1990's and drill holes from outside of the Resource areas. The data review combined with results from the IP surveys will form the basis for commencing a target generation program and initiation of a regional exploration program to run in parallel with project development.

### **Competent Persons Statement**

The information in this announcement that relates to the exploration results and Mineral Resources of Nusantara Resources is summarised from publicly available reports as released to the ASX of the respective companies. The results are duly referenced in the text of this report and the source documents noted above.

All stated Mineral Resources have been prepared in accordance with the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code 2012).

### **Exploration and Resource Targets**

Any discussion in relation to the potential quantity and grade of Exploration Targets is only conceptual in nature. While Nusantara Resources may report additional Mineral Resources for the Awak Mas Gold Project, there has been insufficient exploration to date to estimate any additional mineral resources to the current Mineral Resources inventory. It is uncertain if further exploration will result in the delineation of additional Mineral Resources.

### **Exploration Results**

The information in this report which relates to Exploration Results is based on, and fairly represents, information compiled by Mr Colin McMillan, (BSc) for Nusantara Resources. Mr McMillan is an employee of Nusantara Resources and is a Member of the Australian Institute of Mining and Metallurgy (AusIMM No: 109791).

Mr McMillan has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr McMillan consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

### **Mineral Resources**

The information in this report that relates to the Mineral Resource Estimation for Awak Mas Gold Project is based, and on fairly represents information compiled by Mr Adrian Shepherd, Principal Geologist, (BSc), MAusIMM CP(Geo), for Cube Consulting Pty Ltd. Mr Shepherd is an employee of Cube Consulting Pty Ltd and is a Chartered Professional geologist and a current Member of the Australian Institute of Mining and Metallurgy (AusIMM No: 211818).

Mr Shepherd has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as Competent Persons as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Shepherd consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

**New Information or Data**

Nusantara Resources confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources and Ore Reserves that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not materially changes from the original market announcement.

For personal use only



**Competent Person’s Consent Form**

Pursuant to the requirements of ASX Listing Rules 5.6, 5.22 and 5.24 and Clause 9 of the JORC Code 2012 Edition (Written Consent Statement)

**Report name**

ASX Release – Awak Mas Gold Project – 15 December 2020: AWAK MAS CLOSE SPACED DRILLING & EXPLORATION GEOPHYSICS UPDATE

*(Insert name or heading of Report to be publicly released) ('Report')*

Nusantara Resources Limited

*(Insert name of company releasing the Report)*

Awak Mas Gold Project

*(Insert name of the deposit to which the Report refers)*

If there is insufficient space, complete the following sheet and sign it in the same manner as this original sheet.

15/12/2020

*(Date of Report)*

**Statement**

I,

Colin Charles McMillan, (BSc. MAusIMM)

*(Insert full name(s))*

confirm that I am the Competent Person for the Report and:

- I have read and understood the requirements of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012 Edition).
- I am a Competent Person as defined by the JORC Code, 2012 Edition, having five years' experience that is relevant to the style of mineralisation and type of deposit described in the Report, and to the activity for which I am accepting responsibility.
- I am a Registered Member of *The Australasian Institute of Mining and Metallurgy*.
- I have reviewed the Report to which this Consent Statement applies.

I am a full-time employee of

Nusantara Resources Limited

*(Insert company name)*

Or

I/We am a consultant working for

*(Insert company name)*

and have been engaged by

*(Insert company name)*

to prepare the documentation for

*(Insert deposit name)*

on which the Report is based, for the period ended

*(Insert date of Resource/Reserve statement)*

I have disclosed to the reporting company the full nature of the relationship between myself and the company, including any issue that could be perceived by investors as a conflict of interest.

I verify that the Report is based on and fairly and accurately reflects in the form and context in which it appears, the information in my supporting documentation relating to Exploration Targets, Exploration Results, Mineral Resources and/or Ore Reserves (*select as appropriate*).

**Consent**

I consent to the release of the Report and this Consent Statement by the directors of:

Nusantara Resources Limited

*(Insert reporting company name)*



15/12/2020

\_\_\_\_\_  
Signature of Competent Person:

\_\_\_\_\_  
Date:

AusIMM

109791

\_\_\_\_\_  
Professional Membership:

\_\_\_\_\_  
Membership Number:

*(insert organisation name)*



Neil Whitaker

Jakarta, Indonesia

\_\_\_\_\_  
Signature of Witness:

\_\_\_\_\_  
Print Witness Name and Residence:

(eg town/suburb)

For personal use only

---

Additional deposits covered by the Report for which the Competent Person signing this form is accepting responsibility:

Additional Reports related to the deposit for which the Competent Person signing this form is accepting responsibility:

---

Signature of Competent Person:

---

Date:

---

Professional Membership:  
*(insert organisation name)*

---

Membership Number:

---

Signature of Witness:

---

Print Witness Name and Residence:  
(eg town/suburb)