

Disclosure of Directors and Senior Managers Relevant Interests

To NZX Limited; and	
Name of listed issuer:	Serko Limited (SKO)
Date this disclosure made:	8-Dec-20
Date of last disclosure:	29-Sep-20
Director or senior manager giving disclosure	
Full name(s):	Anthony D'Astolfo
Name of listed issuer:	Serko Limited (SKO)
Name of related body corporate (if applicable):	N/A
Position held in listed issuer:	SVP, NORAM
Summary of acquisition or disposal of relevant interest (excluding specified derivatives)	·
Class of affected quoted financial products:	Ordinary shares in Serko Limited
Nature of the affected relevant interest(s):	Legal holder of unlisted options to acquire ordinary shares in the form of Restricted Share Units
For that relevant interest-	
Number held in class before acquisition or disposal:	 240,411 Restricted Share Units O Ordinary Shares
Number held in class after acquisition or disposal:	 234,559 Restricted Share Units 5,852 Ordinary Shares
Current registered holder(s):	1. Anthony D'Astolfo 2. N/A
Registered holder(s) once transfers are registered:	Anthony D'Astolfo Anthony D'Astolfo
Summary of acquisition or disposal of specified derivatives relevant interest (if applicab	ile)
Type of affected derivative:	N/A
Class of underlying financial products:	N/A
Date ille of officers of all admires the	
Details of affected derivative- The notional value of the derivative (if any) or the notional amount of underlying financial	
products (if any):	N/A
A statement as to whether the derivative is cash settled or physically settled:	N/A
Maturity date of the derivative (if any):	N/A
Expiry date of the derivative(if any):	N/A
The price specified in the terms of the derivative (if any):	N/A
Any other details needed to understand how the amount of the consideration payable under the derivative or the value of the derivative is affected by the value of the underlying financial products:	
·	N/A
For that derivative,-	1.00
Parties to the derivative:	N/A
If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative:	N/A
Details of transactions giving rise to acquisition or disposal	
Total number of transactions to which notice relates:	1

Details of transactions requiring disclosure-Date of transaction: 3-Dec-20 Issue of Ordinary Shares in Serko Limited on vesting of 5,852 Restricted Share Units under the Serko US 2018 Nature of transaction: Share Incentive Scheme Name of any other party or parties to the transaction (if known): The consideration, expressed in New Zealand dollars, paid or received for the acquisition or disposal. If the consideration was not in cash and cannot be readily by converted into a cash value, describe the consideration: Services to Serko Limited 5,852 Number of financial products to which the transaction related: If the issuer has a financial products trading policy that prohibits directors or senior managers from trading during any period without written clearance (a closed period) include the following details-Whether relevant interests were acquired or disposed of during a closed period: N/A Whether prior written clearance was provided to allow the acquisition or disposal to proceed during the closed period: N/A N/A Date of the prior written clearance (if any): Summary of other relevant interests after acquisition or disposal: N/A Class of quoted financial products: N/A Nature of relevant interest: For that relevant interest,-N/A Number held in class: N/A Current registered holder(s) For a derivative relevant interest,-N/A Type of derivative: Details of derivative,-N/A The notional value of the derivative (if any) or the notional amount of underlying financial products (if any): N/A A statement as to whether the derivative is cash settled or physically settled: N/A Maturity date of the derivative (if any): N/A Expiry date of the derivative (if any): N/A The price's specified terms (if any): Any other details needed to understand how the amount of the consideration payable N/A under the derivative or the value of the derivative is affected by the value of the underlying financial products: For that derivative relevant interest,-Parties to the derivative: N/A If the director or senior manager is not a party to the derivative, the nature of the relevant N/A interest in the derivative: Certification I, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorised to make this disclosure by all persons for whom it is made Collyspen / Signature of director or officer: Date of signature: 8-Dec-20 Signature of person authorised to sign on behalf of director or officer: Date of signature: Name and title of authorised person:



Disclosure of Directors and Senior Managers Relevant Interests

To NZX Limited; and	
Name of listed issuer:	Sorks Limited (SKO)
Date this disclosure made:	Serko Limited (SKO) 8-Dec-20
Date of last disclosure:	
Date of last disclosure.	29-Sep-20
Director or senior manager giving disclosure	
Full name(s):	Charles Nowaczek
Name of listed issuer:	Serko Limited (SKO)
Name of related body corporate (if applicable):	N/A
Position held in listed issuer:	Chief Operating Officer
Summary of acquisition or disposal of relevant interest (excluding specified derivatives)
Class of affected quoted financial products:	Ordinary shares in Serko Limited
	Legal holder of unlisted options to
Nature of the affected relevant interest(s):	acquire ordinary shares in the form of
	Restricted Share Units
For that relevant interest-	
Number held in class before acquisition or disposal:	1. 62,758 Restricted Share Units
indiffuel field in class before acquisition of disposal.	2. 420,288 Ordinary Shares
Number held in class after acquisition or disposal:	1. 58,765 Restricted Share Units
	2. 424,281 Ordinary Shares
Current registered holder(s):	 Charles Nowaczek Charles Nowaczek
Registered holder(s) once transfers are registered:	1. Charles Nowaczek
, , ,	2. Charles Nowaczek
Commence of consisting or dispersal of an effect devicetive relevant interest (if annits	hia)
Summary of acquisition or disposal of specified derivatives relevant interest (if applical	·
Type of affected derivative:	N/A
Class of underlying financial products:	N/A
Details of affected derivative-	
The notional value of the derivative (if any) or the notional amount of underlying financial	
products (if any):	N/A
A statement as to whether the derivative is cash settled or physically settled:	N/A
Maturity date of the derivative (if any):	N/A
Expiry date of the derivative(if any):	N/A
The price specified in the terms of the derivative (if any):	N/A
Any other details needed to understand how the amount of the consideration payable	
under the derivative or the value of the derivative is affected by the value of the underlying financial products:	
·	N/A
For that derivative,- Parties to the derivative:	N/A
If the director or senior manager is not a party to the derivative, the nature of the relevant	IVA
interest in the derivative:	N/A
Details of transactions giving rise to acquisition or disposal	
Total number of transactions to which notice relates:	1

Details of transactions requiring disclosure-Date of transaction: 3-Dec-20 Issue of Ordinary Shares in Serko Limited on vesting of 3,993 Restricted Share Units under the Serko Long Nature of transaction: Term Incentive Scheme 2019 Name of any other party or parties to the transaction (if known): The consideration, expressed in New Zealand dollars, paid or received for the acquisition or disposal. If the consideration was not in cash and cannot be readily by converted into a cash value, describe the consideration: Services to Serko Limited Number of financial products to which the transaction related: 3,993 If the issuer has a financial products trading policy that prohibits directors or senior managers from trading during any period without written clearance (a closed period) include the following details-Whether relevant interests were acquired or disposed of during a closed period: N/A Whether prior written clearance was provided to allow the acquisition or disposal to proceed during the closed period: N/A N/A Date of the prior written clearance (if any): Summary of other relevant interests after acquisition or disposal: Ordinary Shares in Serko Limited Class of quoted financial products: Beneficial owner of Restricted Shares held on trust until vesting by Serko Trustee Limited Nature of relevant interest: For that relevant interest,-34,412 Restricted Shares Number held in class: Serko Trustee Limited for Charles Nowaczek Current registered holder(s): For a derivative relevant interest,-N/A Type of derivative: Details of derivative,-N/A The notional value of the derivative (if any) or the notional amount of underlying financial products (if any): N/A A statement as to whether the derivative is cash settled or physically settled: N/A Maturity date of the derivative (if any): N/A Expiry date of the derivative (if any): N/A The price's specified terms (if any): Any other details needed to understand how the amount of the consideration payable N/A under the derivative or the value of the derivative is affected by the value of the underlying For that derivative relevant interest,-Parties to the derivative: N/A N/A If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative: Certification I, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorised to make this disclosure by all persons for whom it is made Signature of director or officer: Date of signature: 8-Dec-20 Signature of person authorised to sign on behalf of director or officer: Date of signature: Name and title of authorised person:



Disclosure of Directors and Senior Managers Relevant Interests

To NZX Limited; and	
Name of listed issuer:	Serko Limited (SKO)
Date this disclosure made:	8-Dec-20
Date of last disclosure:	29-Sep-20
Director or senior manager giving disclosure	
Full name(s):	John Challis
Name of listed issuer:	Serko Limited (SKO)
Name of related body corporate (if applicable):	N/A
Position held in listed issuer:	Interim Head of Global Services
Summary of acquisition or disposal of relevant interest (excluding specified derivatives	s)
Class of affected quoted financial products:	Ordinary shares in Serko Limited
Nature of the affected relevant interest(s):	Legal holder of unlisted options to acquire ordinary shares in the form of Restricted Share Units
For that relevant interest-	
Number held in class before acquisition or disposal:	 38,979 Restricted Share Units 39,123 Ordinary Shares
Number held in class after acquisition or disposal:	 36,091 Restricted Share Units 42,011 Ordinary Shares
Current registered holder(s):	John Challis John Challis
Registered holder(s) once transfers are registered:	John Challis John Challis
Summary of acquisition or disposal of specified derivatives relevant interest (if applications)	bie)
Type of affected derivative:	N/A
Class of underlying financial products:	N/A
Details of affected derivative-	
The notional value of the derivative (if any) or the notional amount of underlying financial	
products (if any):	N/A
A statement as to whether the derivative is cash settled or physically settled:	N/A
Maturity date of the derivative (if any):	N/A
Expiry date of the derivative(if any):	N/A
The price specified in the terms of the derivative (if any):	N/A
Any other details needed to understand how the amount of the consideration payable	
under the derivative or the value of the derivative is affected by the value of the underlying	
financial products:	N/A
For that derivative,-	
Parties to the derivative:	N/A
If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative:	N/A
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Details of transactions giving rise to acquisition or disposal	
Total number of transactions to which notice relates:	1

Date of transaction:	3-Dec-20
Nature of transaction:	Issue of Ordinary Shares in Serko Limited on vesting of 2,888 Restricted Share Units under the Serko Long Term Incentive Scheme 2019
Name of any other party or parties to the transaction (if known):	N/A
The consideration, expressed in New Zealand dollars, paid or received for the acquisition or disposal. If the consideration was not in cash and cannot be readily by converted into a cash value, describe the consideration:	Services to Serko Limited
Number of financial products to which the transaction related:	2,888
If the issuer has a financial products trading policy that prohibits directors or senior managers from trading during any period without written clearance (a closed period) include the following details—	
Whether relevant interests were acquired or disposed of during a closed period:	N/A
Whether prior written clearance was provided to allow the acquisition or disposal to proceed during the closed period:	N/A
Date of the prior written clearance (if any):	N/A
Summary of other relevant interests after acquisition or disposal:	
Class of quoted financial products:	Ordinary Shares in Serko Limited
Nature of value out interests	Registered holder and beneficial owner of Ordinary Shares The power to exercise, or control the exercise of, a right to vote attached to 1,000 Ordinary Shares through a familial relationship with Brian Challis Beneficial owner of Restricted Shares held on trust until vesting by Serko Trustee Limited
Nature of relevant interest: For that relevant interest	L
Number held in class:	 385,762 Ordinary Shares 1,000 Ordinary Shares 8,515 Restricted Shares John Challis & AH Trustees (Challis Holdings Trust) Brian Challis Serko Trustee Limited for John
Current registered holder(s):	Challis
For a derivative relevant interest,-	
Type of derivative:	N/A
Details of derivative,-	
The notional value of the derivative (if any) or the notional amount of underlying financial products (if any):	N/A
A statement as to whether the derivative is cash settled or physically settled:	N/A
Maturity date of the derivative (if any):	N/A
Expiry date of the derivative (if any):	N/A
The price's specified terms (if any):	N/A
Any other details needed to understand how the amount of the consideration payable under the derivative or the value of the derivative is affected by the value of the underlying financial products:	N/A
For that derivative relevant interest,-	
Parties to the derivative:	N/A
If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative:	N/A

Certification

I, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorised to make this disclosure by all persons for whom it is made.

Signature of director or officer:		johnchallis
Date of signature:		8-Dec-20
or	_	
Signature of person authorised to sign on behalf of director or officer:		
Date of signature:		
Name and title of authorised person:		



Disclosure of Directors and Senior Managers Relevant Interests

To NZX Limited; and	
Name of listed issuer:	Serko Limited (SKO)
Date this disclosure made:	8-Dec-20
Date of last disclosure:	29-Sep-20
Director or senior manager giving disclosure	
Full name(s):	Murray Warner
Name of listed issuer:	Serko Limited (SKO)
Name of related body corporate (if applicable):	N/A
Position held in listed issuer:	SVP, Asia-Pacific
	,
Summary of acquisition or disposal of relevant interest (excluding specified derivatives	5)
Class of affected quoted financial products:	Ordinary shares in Serko Limited
Nature of the affected relevant interest(s):	Legal holder of unlisted options to acquire ordinary shares in the form of Restricted Share Units
For that relevant interest-	
Number held in class before acquisition or disposal:	 1. 116,333 Restricted Share Units 2. 0 Ordinary Shares
Number held in class after acquisition or disposal:	 1. 113,210 Restricted Share Units 2. 3,123 Ordinary Shares
Current registered holder(s):	1. Murray Warner 2. N/A
Registered holder(s) once transfers are registered:	Murray Warner Murray Warner
Summary of acquisition or disposal of specified derivatives relevant interest (if applica	bie)
Type of affected derivative:	N/A
Class of underlying financial products:	N/A
Details of affected derivative-	
The notional value of the derivative (if any) or the notional amount of underlying financial	
products (if any):	N/A
A statement as to whether the derivative is cash settled or physically settled:	N/A
Maturity date of the derivative (if any):	N/A
Expiry date of the derivative(if any):	N/A
The price specified in the terms of the derivative (if any):	N/A
Any other details needed to understand how the amount of the consideration payable	
under the derivative or the value of the derivative is affected by the value of the underlying	
financial products:	N/A
For that derivative,-	
Parties to the derivative:	N/A
If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative:	N/A
Details of transactions giving rise to acquisition or disposal	
Total number of transactions to which notice relates:	1
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Details of transactions requiring disclosure-	
Date of transaction:	3-Dec-20
Nature of transaction:	Issue of Ordinary Shares in Serko Limited on vesting of 3,123 Restricted Share Units under the Serko Long Term Incentive Scheme 2019
	N/A
Name of any other party or parties to the transaction (if known): The consideration, expressed in New Zealand dollars, paid or received for the acquisition or disposal. If the consideration was not in cash and cannot be readily by converted into a cash value, describe the consideration:	Services to Serko Limited
Number of financial products to which the transaction related:	3,123
If the issuer has a financial products trading policy that prohibits directors or senior managers from trading during any period without written clearance (a closed period) include the following details—	
Whether relevant interests were acquired or disposed of during a closed period:	N/A
Whether prior written clearance was provided to allow the acquisition or disposal to proceed during the closed period:	N/A
Date of the prior written clearance (if any):	N/A
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Summary of other relevant interests after acquisition or disposal:	
Class of quoted financial products:	Ordinary Shares in Serko Limited
	Beneficial owner of Restricted Shares held on trust until vesting by Serko Trustee Limited
Nature of relevant interest:	Trustee Elimited
For that relevant interest,- Number held in class:	100,000 Restricted Shares
Number field in class.	Serko Trustee Limited for Murray Warner
Current registered holder(s):	
For a derivative relevant interest,-	
Type of derivative:	N/A
Details of derivative,-	
The notional value of the derivative (if any) or the notional amount of underlying financial products (if any):	N/A
A statement as to whether the derivative is cash settled or physically settled:	N/A
Maturity date of the derivative (if any):	N/A
Expiry date of the derivative (if any):	N/A
The price's specified terms (if any):	N/A
Any other details needed to understand how the amount of the consideration payable under the derivative or the value of the derivative is affected by the value of the underlying financial products:	N/A
For that derivative relevant interest,-	
Parties to the derivative:	N/A
If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative:	N/A
Certification	
I, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorised to make this disclosure by all persons for whom it is made.	
Signature of director or officer:	Murray warner
Date of signature:	8-Dec-20
or	
Signature of person authorised to sign on behalf of director or officer:	
Date of signature:	
Name and title of authorised person:	



Disclosure of Directors and Senior Managers Relevant Interests

To NZX Limited; and	
Name of listed issuer:	Serko Limited (SKO)
Date this disclosure made:	8-Dec-20
Date of last disclosure:	18-Nov-20
Director or senior manager giving disclosure	
Full name(s):	Robert (Bob) Shaw
Name of listed issuer:	Serko Limited (SKO)
Name of related body corporate (if applicable):	N/A
Position held in listed issuer:	Chief Strategy Officer
Summary of acquisition or disposal of relevant interest (excluding specified derivatives	s)
Class of affected quoted financial products:	Ordinary shares in Serko Limited
Nature of the affected relevant interest(s):	Legal holder of unlisted options to acquire ordinary shares in the form of Restricted Share Units. Shares granted upon vesting are subject to a deed restricting the exercise of any voting rights attached.
For that relevant interest-	
Number held in class before acquisition or disposal:	 46,562 Restricted Share Units 34,209 Ordinary Shares
Number held in class after acquisition or disposal:	 42,932 Restricted Share Units 37,839 Ordinary Shares
Current registered holder(s):	Robert Shaw Robert Shaw
Registered holder(s) once transfers are registered:	 Robert Shaw Robert Shaw
Summary of acquisition or disposal of specified derivatives relevant interest (if applica	ble)
Type of affected derivative:	N/A
Class of underlying financial products:	N/A
Details of affected derivative- The notional value of the derivative (if any) or the notional amount of underlying financial	
products (if any):	N/A
A statement as to whether the derivative is cash settled or physically settled:	N/A
Maturity date of the derivative (if any):	N/A
Expiry date of the derivative(if any):	N/A
The price specified in the terms of the derivative (if any):	N/A
Any other details needed to understand how the amount of the consideration payable	
under the derivative or the value of the derivative is affected by the value of the underlying	
financial products:	N/A
For that derivative,-	
Parties to the derivative:	N/A
If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative:	N/A
Details of transactions giving rise to acquisition or disposal	
Total number of transactions to which notice relates:	1

Details of transactions requiring disclosure-Date of transaction: 3-Dec-20 Issue of Ordinary Shares in Serko Limited on vesting of 3,630 Restricted Share Units under the Serko Long Nature of transaction: Term Incentive Scheme 2019 Name of any other party or parties to the transaction (if known): The consideration, expressed in New Zealand dollars, paid or received for the acquisition or disposal. If the consideration was not in cash and cannot be readily by converted into a cash value, describe the consideration: Services to Serko Limited Number of financial products to which the transaction related: 3,630 If the issuer has a financial products trading policy that prohibits directors or senior managers from trading during any period without written clearance (a closed period) include the following details-Whether relevant interests were acquired or disposed of during a closed period: N/A Whether prior written clearance was provided to allow the acquisition or disposal to proceed during the closed period: N/A N/A Date of the prior written clearance (if any): Summary of other relevant interests after acquisition or disposal: Ordinary Shares in Serko Limited Class of quoted financial products: 1. Registered holder and beneficial owner of Ordinary Shares 2. Beneficial owner of Restricted Shares held on trust until vesting by Serko Trustee Limited Nature of relevant interest: For that relevant interest,-1. 10,000,000 Ordinary Shares Number held in class: 2. 24,921 Restricted Shares 1. Robert Shaw and Michael Moore as Trustees of Ripon Trust 2. Serko Trustee Limited for Robert Shaw Current registered holder(s): For a derivative relevant interest,-N/A Type of derivative: Details of derivative,-N/A The notional value of the derivative (if any) or the notional amount of underlying financial products (if any): A statement as to whether the derivative is cash settled or physically settled: N/A N/A Maturity date of the derivative (if any): N/A Expiry date of the derivative (if any): N/A The price's specified terms (if any): Any other details needed to understand how the amount of the consideration payable N/A under the derivative or the value of the derivative is affected by the value of the underlying financial products: For that derivative relevant interest,-Parties to the derivative: N/A N/A If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative: Certification I, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorised to make this disclosure by all persons for whom it is made. KZD Signature of director or officer: 8-Dec-20 Date of signature: Signature of person authorised to sign on behalf of director or officer:

Date of signature:	
Name and title of authorised person:	



Disclosure of Directors and Senior Managers Relevant Interests

To NZX Limited; and	
Name of listed issuer:	Serko Limited (SKO)
Date this disclosure made:	8-Dec-20
Date of last disclosure:	9-Nov-20
Director or senior manager giving disclosure	
Full name(s):	Susan Putt
Name of listed issuer:	Serko Limited (SKO)
Name of related body corporate (if applicable):	N/A
Position held in listed issuer:	Chief Financial Officer
Summary of acquisition or disposal of relevant interest (excluding specified derivatives)
Class of affected quoted financial products:	Ordinary shares in Serko Limited
Nature of the affected relevant interest(s):	Legal holder of unlisted options to acquire ordinary shares in the form of Restricted Share Units
For that relevant interest-	
Number held in class before acquisition or disposal:	 72,966 Restricted Share Units 254,460 Ordinary Shares
Number held in class after acquisition or disposal:	 68,737 Restricted Share Units 258,689 Ordinary Shares
Current registered holder(s):	Susan Putt Susan Putt
Registered holder(s) once transfers are registered:	Susan Putt Susan Putt
Summary of acquisition or disposal of specified derivatives relevant interest (if applicable)	ole)
Type of affected derivative:	N/A
Class of underlying financial products:	N/A
Details of affected derivative-	
The notional value of the derivative (if any) or the notional amount of underlying financial products (if any):	N/A
A statement as to whether the derivative is cash settled or physically settled:	N/A
Maturity date of the derivative (if any):	N/A
Expiry date of the derivative(if any):	N/A
The price specified in the terms of the derivative (if any):	N/A
Any other details needed to understand how the amount of the consideration payable under the derivative or the value of the derivative is affected by the value of the underlying financial products:	N/A
For that derivative,-	
Parties to the derivative:	N/A
If the director or senior manager is not a party to the derivative, the nature of the relevant interest in the derivative:	N/A
Details of transactions giving rise to acquisition or disposal	
Total number of transactions to which notice relates:	1
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Details of transactions requiring disclosure-Date of transaction: 3-Dec-20 Issue of Ordinary Shares in Serko Limited on vesting of 4,229 Restricted Share Units under the Serko Long Nature of transaction: Term Incentive Scheme 2019 Name of any other party or parties to the transaction (if known): The consideration, expressed in New Zealand dollars, paid or received for the acquisition or disposal. If the consideration was not in cash and cannot be readily by converted into a Services to Serko Limited cash value, describe the consideration: Number of financial products to which the transaction related: 4,229 If the issuer has a financial products trading policy that prohibits directors or senior managers from trading during any period without written clearance (a closed period) include the following details-Whether relevant interests were acquired or disposed of during a closed period: N/A Whether prior written clearance was provided to allow the acquisition or disposal to proceed during the closed period: N/A N/A Date of the prior written clearance (if any): Summary of other relevant interests after acquisition or disposal: Ordinary Shares in Serko Limited Class of quoted financial products: Beneficial owner of Restricted Shares held on trust until vesting by Serko Trustee Limited Nature of relevant interest: For that relevant interest,-32,872 Restricted Shares Number held in class: Serko Trustee Limited for Susan Putt Current registered holder(s): For a derivative relevant interest,-N/A Type of derivative: Details of derivative,-N/A The notional value of the derivative (if any) or the notional amount of underlying financial products (if any): N/A A statement as to whether the derivative is cash settled or physically settled: N/A Maturity date of the derivative (if any): N/A Expiry date of the derivative (if any): N/A The price's specified terms (if any): Any other details needed to understand how the amount of the consideration payable N/A under the derivative or the value of the derivative is affected by the value of the underlying financial products: For that derivative relevant interest,-N/A Parties to the derivative If the director or senior manager is not a party to the derivative, the nature of the relevant N/A interest in the derivative: Certification I, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorised to make this disclosure by all persons for whom it is made MA Signature of director or officer: Date of signature: 8-Dec-20 Signature of person authorised to sign on behalf of director or officer: Date of signature: Name and title of authorised person: