

PACIFIC AVIATION INVESTMENT PROGRAM
TUVALU AVIATION INVESTMENT PROJECT
RUNWAY REPAIR AND RESILIENCE WORK (AF 3)
Ref: MCT/ICBW/T-A15.2A

ADDENDUM No.1 TO THE BID DOCUMENT

Dear Bidder,

The PAIP TFSU now issues this ADDENDUM No. 1 to the bidding documents released 22nd August 2019 for the above-named tender.

Ref No.	Bid Document issued 22 August 2019	Addendum No.1 issued 27 September 2019
TvAIP ESMP section 4.2.9	drawing 12506660-G002 rev 0	drawing 12506660-G002 rev 1.
Section II, Bid Data Sheet, ITB 19.9		<p>Add ITB 19.9 to Section II, Bid Data Sheet as follows: Replace ITB 19.9 with the following:</p> <p>19.9 The Bid Security or the Bid-Securing Declaration of a JV shall be in the name of the JV that submits the Bid.</p> <p>If the JV has not been legally constituted into a legally enforceable JV at the time of Bidding, the Bid Security or the Bid-Securing Declaration shall be in the name of a lead JV member as named in the letter of intent referred to in ITB 4.1 and ITB 11.2.</p>
Section IV – Bidding Forms	Bill of Quantities	BoQ is revised to include changes in E. Paint Marking – refer to the revised BoQ below
Section IV – Bidding Forms Bill of Quantities	<p>2. Method of Measurement and Basis of Payment</p> <p>A. Preliminary and General</p> <p>2.E Paint Markings</p>	<p>E. Paint markings</p> <p>1. Paint marking a & b) Permanent markings Payment for this item will be made on a lump sum basis paid pro rata on completion and acceptance of markings. This item provides for the preparation of surfaces, set out and marking and obtain approval from Engineer, supply and application of paint markings and glass beads and clean up and waste disposal as required.</p> <p>c) Temporary markings Payment for this item will be made on a lump sum basis paid pro rata on</p>

		<p>completion and acceptance of markings.</p> <p><u>d) Remove existing paint markings or part there of</u></p> <p>Payment for this item will be made on a square metre basis paid on completion and acceptance of marking removals.</p> <p><u>e) Permanent markings</u></p> <p>Payment for this item will be made on a square metre basis paid on completion and acceptance of markings.</p> <p>This item provides for the preparation of surfaces, set out and marking and obtain approval from Engineer, supply and application of paint markings and glass beads and clean up and waste disposal as required.</p>
<p>Bill of Quantities</p> <p>A. Preamble</p>	<p>Basis of Measurement and Payment, 1.5 Item Rate</p> <p>Each item in the Bill of Quantities shall have a rate entered against it. Rates shall be in NZ Dollars to two decimal places. Where no rate is entered, it shall be considered to be \$0.00.</p>	<p>Basis of Measurement and Payment, 1.5 Item Rate</p> <p>Each item in the Bill of Quantities shall have a rate entered against it. Rates shall be in NZ Dollars to two decimal places. Where no rate is entered, it shall be considered to be \$0.00.</p>
<p>Section IX – Particular Conditions of Contract</p>		
<p>Part A- Contract Data, Sub-clause 17.2 (d)</p>	<p>Forces of nature, the risks of which are allocated to the Contractor:</p> <p>Cyclones, rain events, regular tidal action including King Tides, strong sea breezes, and air/vapour venting</p>	<p>Forces of nature, the risks of which are allocated to the Contractor:</p> <p>Rain events, subterranean air/vapour venting, and regular tidal events including Spring and King Tides</p>
<p>Part A – Contract Data, Sub-Clause 14.6.2</p>	<p>Minimum Amount of Interim Payment Certificates: 20 % of the Accepted Contract Amount</p>	<p>Minimum Amount of Interim Payment Certificates: 10 % of the Accepted Contract Amount</p>
<p>Part A- Contract Data, Sub-clause 1.1.20 (and Sub-clause 12.3)</p>	<p>Where the Contract allows for Cost Plus Profit, percentage profit to be added to the Cost:</p> <p>n/a</p>	<p>Where the Contract allows for Cost Plus Profit, percentage profit to be added to the Cost:</p> <p>5%</p>

Bill of Quantities

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
A	PRELIMINARY AND GENERAL (including PS)				
1	Insurances				
a	Obtain and maintain Bonds and Insurances within the Time for Completion.	LS	1		0.00
b	Obtain and maintain Bonds and Insurances for the Defects Notification Period.	LS	1		0.00
				SUBTOTAL	0.00
2	Fixed charges				
a	Mobilisation of all plant, materials (excl bitumen and aggregates) and equipment to site including all fumigation, customs clearance, duties and port fees and handling charges	LS	1		0.00
b	Asphalt plant Mobilisation	LS	1		0.00
c	De-mobilisation of Plant from site.	LS	1		0.00
				SUBTOTAL	0.00
3	Time related items				
	Critical Programme Establishment and material supply 12 weeks Patch Repairs - 1 weeks Paving Works - 8 weeks Demobilisation - 6 weeks				
a	Modilisation phase - Mobilisation, Site Establishment, Consents, Management to include provision and time related costs to provide Work and Site arrangements, contractors yard, security all accommodation, vehicles, services, security, sediment and erosion control, disposal of waste and supervision for the period of the Works and clean up and waste disposal on completion.	WK	12		0.00
b	Construction phase - Site Establishment, Management a to include provision and time related costs to provide Work and Site arrangements, contractors yard, security all accommodation, vehicles, services, security, sediment and erosion control, disposal of waste and supervision for the period of the Works and clean up and waste disposal on completion.	WK	9		0.00
c	Demobilisation phase - Site Establishment, Consents, Management and dis-establishment to include provision and time related costs to provide Work and Site arrangements, contractors yard, security all accommodation, vehicles, services, security, sediment and erosion control, disposal of waste and supervision for the period of the Works and clean up and waste disposal on completion.	WK	6		0.00
d	Provide a Contractors Airport Safety Officer for duration of the works.	WK	15		0.00
e	Undertake inspections and attend to issues for FOD protection for the duration of the airside works.	WK	9		0.00
f	Provide Engineers vehicle transport.	WK	15		0.00
g	Unscheduled emergency stand down of construction operations or works stand down due to Force Majeure to include overheads staff and equipment hire and EoT costs - loss of materials and Unscheduled Flights (under 7 days notice). PROVISIONAL RATE	Hrs	24		0.00
				SUBTOTAL	0.00

4	Construction management				
a	Uplift draft Method of Works Plan, update, issue and implement for duration of physical works on site.	LS	1		0.00
b	Prepare, provide and amend as necessary Quality Assurance / Management Plan and implement.	LS	1		0.00
c	Prepare, provide and amend as necessary Site Safety Management Plan and implement.	LS	1		0.00
d	Allowance for certification of asphalt plant calibration.	LS	1		0.00
e	Allowance for sampling and production testing in accordance with the Technical Specification requirements.	LS	1		0.00
f	Allowance for additional sampling and testing as instructed by the Supervising Engineer.	PS	1		0.00
g	Provisional - Prepare and manage quarry plan	LS	0		0.00
h	Prepare, provide and amend as necessary As Built Plans and all completion documents.	LS	1		0.00
i	Prepare/submit and implement all aspects of the OHS plan and training in accordance with the Particular Conditions of Contract for staff and personnel occupational health & safety training and Gender Based Violence program for staff and personnel. PROVISIONAL SUM USD	PS	1	17,000.00	17,000.00
j	Comply with the HIV/AIDS, Gender Based Violence (GBV), and Child Abuse & Exploitation (CAE) training requirements PROVISIONAL SUM USD	PS	1	17,000.00	17,000.00
k	Allowance for establishment and management of the operations of a fully accredited and operational Testing Laboratory for the duration of the Contract works.	LS	1		0.00
l	Prepare, provide and amend as necessary Contractors Environmental and Social Management Plan and implement.	LS	1		0.00
	the Employer's portion (50%) of DAAB's fees and expenses - PROVISIONAL SUM USD	PS	1	10,000.00	10,000.00
				SUBTOTAL	44,000.00
				SUBTOTAL A	\$44,000.00
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B	SITE PREPARATION				
1	Vegetation				
a	Weed spray grass strip adjacent to runway edge of seal	m ²	2675		0.00
b	Installation of access road from AC plant to work site	LS	1		0.00
c	Supply and install imported granular material to lift edge level to new edge of seal	m ³	283		0.00
d	Supply materials for edge lifting	m ³	283		0.00
e	Allowance for removal of any other vegetation to accommodate plant set up or stockpile of material	LS	1		0.00
f	Excavation and removal of existing chipseal surface and basecourse material in tie-in zones	m ³	171		0.00
g	Topsoil strip, 50 mm deep, in verge area.	m ²	2675		0.00
				SUBTOTAL B	\$0.00
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
C	PAVEMENT CONSTRUCTION				
2	Ripping/Rolling				
a	Undertake ripping and rolling of existing chipseal material, as necessary, of the existing pavement in accordance with the design to facilitate the implementation and construction of works. Includes and removal of materials from site.	m ²	19,000		0.00
b	Allowance for excavation and replacement of existing patches during ripping operations	m ²	200		0.00
c	Allowance for patch repairs with open graded asphalt	m ²	90		0.00
d	Allowance for patch repairs with standard AC patches	m ²	480		0.00
				SUBTOTAL C	\$0.00
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
D	ASPHALT AND BITUMEN WORKS				
1	Mix design				
a	Prepare and submit a complying baseline Asphaltic Mix Designs for AC14.	LS	1		0.00
b	Prepare and lay Asphaltic Concrete trial strips for the approved Asphalt Mix designs.	LS	1		0.00
c	Prepare revised Asphalt Mix designs and lay additional trial strips (Provisional Item)	PI	1		0.00
				SUBTOTAL	0.00

2	Asphalt works				
a	Allowance for supply and placement of temporary Asphalt ramps at 1.4% slope, per shift, inclusive of correction layers, milling requirements, key-ins, cut back, wastage and tack coat to facilitate the transition from new to old surfacing in accordance with the construction details.	LS	2		0.00
b	Bitumen supply: Allow for mix variability and any additive and tack coat	T	105		0.00
c	Primer Seal Supply	T	20		0.00
d	Allowance for upload of existing survey and design data and provide set out for all surfacing	LS	1		0.00
e	Asphaltic surfacing min. 75mm deep with 1.4% camber runway surfacing. To include allowance for paving control for asphalt works.	m ²	15,000		0.00
f	Allowance for supply and placement of pavement tie-in ramps at each end of 75 mm deep pavement	m ²	4,000		0.00
g	Allowance for supply and placement of pavement tie-in ramps for the taxiway and local road	m ²	420		0.00
h	Allowance for friction testing of the runway in accordance with the specification. (Full length of the runway)	LS	2		0.00
i	Allowance for roughness testing in accordance with FAA Advisory Circular 150/5380-9 (Full length of the runway)	LS	1		0.00
j	Allowance for runway grooving in accordance with the specification. If required. PROVISIONAL RATE	m ²	18,000		0.00
				SUBTOTAL	0.00
3	Seal				
a	Install prime coat at 1 l/sqm residual bitumen	m ²	19,000		0.00
				SUBTOTAL	0.00
4	Aggregate Supply				
a	Supply all aggregate materials for asphalt construction suitable to meet the specification.	m ³	1,910		0.00
				SUBTOTAL	0.00
5	Saw Cutting and RBB Bandaging				
a	Allowance for sawcutting of open edge of runway and removal of temporary ramps prior to shift start up	m	100		0.00
b	Allowance for bandaging of cold / construction joints. Does not include cold bandaging associated with Contractors remedials.	Lin M	188		0.00
				SUBTOTAL	0.00
				SUBTOTAL D	\$0.00

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
E	PAINT MARKINGS				
1	Paint markings				
a	Remove existing paint markings or part there of	m ²	285		
b	Mark out, supply and application of paint and beads for runway markings, existing and adjusted	m ²	3,390		0.00
				SUBTOTAL E	\$0.00
				TOTAL	\$0.00