# Gem Bid Document for Procurement of Consumables/Chemicals for cell culture and cell biology

## **SCOPE OF WORK**

### The technical specifications are mentioned hereunder

S. No.	Name of the Items	Complete Generic Specification	Quantity Required
			(Nos.)
1.	Phosphate Buffer Saline	<ul> <li>Physical form: Sterile Solution, with pH 7.4</li> <li>Concentration: 10 X</li> <li>Applications: Mammalian cell culture and molecular biology works</li> <li>Purity: Free from nonspecific endonuclease, exonuclease, and RNase activity.</li> <li>Pack size: 500 ml</li> </ul>	6
2.	Bovine Serum Albumin	<ul><li>Applications: For cell culture works</li><li>Pack size: 1 gram</li></ul>	1
3.	Paraformaldehyde solution	<ul> <li>Physical form: Sterile filtered Solution in PBS (with DEPC)</li> <li>Concentration: 4%</li> <li>Grade: fluorescent grade</li> <li>Applications: Suitable for flowcytometry and cell culture applications</li> <li>Pack size: 10 ml</li> </ul>	5
4.	Bovine serum albumin	<ul> <li>Physical form: Powder</li> <li>Grade: Molecular biology</li> <li>Purity: Nuclease and Protease free</li> <li>Pack size: 25 grams</li> </ul>	1
5.	Dulbecco's Modified Eagle Medium (DMEM), High Glucose, pyruvate	<ul> <li>It should support the growth of different mammalian cells</li> <li>Concentration: 1X</li> <li>It should contain high glucose, sodium pyruvate and phenol red indicator</li> <li>It should be sterile filtered</li> <li>Pack size: 500 ml</li> </ul>	4
6.	Foetal Bovine Serum	<ul> <li>It should support the growth of mammalian cells when added with basal media</li> <li>It should be sterile filtered</li> <li>It should be of low endotoxin and haemoglobins</li> <li>Pack size: 50 ml</li> </ul>	10

7.	Trypsin EDTA	Liquid formulation containing trypsin: EDTA	3
	solution	(0.25 %) and phenol red for cell culture	
		passaging for cell dissociation	
		<ul> <li>The trypsin should be of porcine origin</li> </ul>	
		<ul> <li>It should be sterile and suitable for culture</li> </ul>	
		of mammalian cells	
		Pack size: 100 ml	
8.	Density gradient	Density gradient medium for the isolation	1
	medium	of mononuclear cells (MNCs) from	
		peripheral blood, cells etc.	
		<ul><li>Should be sterile, endotoxin-tested</li><li>Pack size: 100 ml</li></ul>	
9.	Eagles Minimum	It should be in liquid form support the	5
7.	_	growth of different mammalian cells in	3
	Essential Media	suspension and monolayer	
		<ul> <li>It should contain non-essential amino</li> </ul>	
		acids, glutamine and sodium pyruvate	
		<ul> <li>It should not contain phenol red</li> </ul>	
		<ul> <li>It should be sterile filtered</li> </ul>	
		<ul><li>Pack size: 500 ml</li></ul>	
10.	Tween 20	It should be in viscous liquid form	1
		<ul> <li>It should be suitable for cell culture,</li> </ul>	
		DNA/RNA extraction and protein	
		purification	
	5,100	Pack size: 250 ml	_
11.	DMSO	It should be in liquid form as cryofreezing	1
		medium for mammalian cell culture	
		It should be sterile filtered  It should not contain and storing or go	
		It should not contain endotoxin or as     permissible as per National and	
		permissible as per National and International standards	
		<ul> <li>It should be sterile filtered and serum free</li> </ul>	
		Pack size: 100 ml	
12.	Methanol solution	It should be in liquid form and sterile	1
		filtered	
		<ul><li>It should have purity of &gt;99.9%</li></ul>	
		<ul> <li>It should be suitable for cytogenetic</li> </ul>	
		studies	
		Pack size: 1000 ml	
13.	Mounting media	It should be in clear liquid form	1
		It should be suitable for	
		immunofluorescence microscopy	
1 /	Collagonass	Pack size: 2 ml     Origin: Clastridium Histolyticum	1
14.	Collagenase	<ul><li>Origin: Clostridium Histolyticum</li><li>It should be in powder form</li></ul>	
		<ul> <li>Storage temperature should be at -20° C</li> </ul>	
		<ul> <li>It should be suitable for mammalian cell</li> </ul>	
		culture	
		<ul><li>Pack size: 1 gram</li></ul>	
15.	HEPES	Physical form: Liquid (1M)	2
		<ul> <li>It should be suitable for mammalian cell</li> </ul>	
	2-[4-(2-	culture	
	hydroxyethyl)-1-	Sterile filtered	
		<ul><li>Pack size: 20 ml</li></ul>	

	piperazine]-1-		
	ethanesulfonic acid		
	buffer		
	Dullei		
16.	Horse Serum	It should support the growth of mammalian	5
		cells	
		It should be heat inactivated  The serum should be peagative for EIA	
		<ul> <li>The serum should be negative for EIA</li> <li>It should be sterile</li> </ul>	
		Pack size: 100 ml	
17.	Bovine Serum	Physical form: powder	1
17.	Albumin	Color: White to yellow to biege	•
	Alborriiri	Applications: Suitable for cell culture	
		applications	
		Sterility: Sterile filtered	
		<ul><li>Pack size: 50 grams</li></ul>	
18.	RBC lysis buffer	Concentration: 1X	1
		<ul> <li>It should be suitable for flowcytometry and</li> </ul>	
		cell culture applications	
	<u> </u>	Pack size: 100 ml	
19.		• Concentration: 4%	1
	solution	Grade: Fluorescent grade     Appliesting Soitable for fluorest appliest.	
		Application: Suitable for flowcytometry  and call culture applications.	
		and cell culture applications  Pack size: 1000 ml	
20.	Triton X-100	Concentration: 1%	1
20.	IIIIOII X-100	Grade: Fluorescent grade	1
		<ul> <li>Application: Suitable for flowcytometry</li> </ul>	
		and cell culture applications	
		Should be sterile filtered	
		Pack size: 500 ml	
21.	Trypan Blue Dye	Ready to use cell impermeant nucleic	5
		acid stain that emits bright green	
		fluorescence when bound to DNA to	
		measure viability and cytotoxicity in kinetic	
		live cell assays	
		The excitation/emission wavelength range     in 504/503 pm	
		in 504/523 nm	
		<ul> <li>It should be available in liquid form and stable in room temperature</li> </ul>	
		<ul> <li>It should be suitable for cell imaging</li> </ul>	
		system using Fluorescence Microscopes,	
		Flow Cytometer	
		Pack size: 1 ml	
22.	Collagenase type	It should be free from clostridium	1
	XI	histolyticum	
		It should be in powder form	
		It should be suitable for mammalian cell	
		culture.	
	OD05 4 !!! :	Pack size: 100 mg	1
23.	CD35 Antibody	The primary antibody IgG should have	
		species reactivity to	
		Porcine/Human,Mouse,Rat	
			1

	Г	T	
		<ul> <li>Applicable for western blotting,</li> </ul>	
		immunocytochemistry	
		<ul><li>Maybe polyclonal/monoclonal</li><li>Pack size: 100 µl</li></ul>	
24.	CD29 Antibody	The primary antibody IgG should have  The primary antibody IgG should have	1
27,	CDZ77(IIIIOOG)	species reactivity to Porcine/Human,	'
		Mouse, Rat	
		<ul> <li>Applicable for western blotting,</li> </ul>	
		immunocytochemistry	
		<ul> <li>Maybe polyclonal/monoclonal</li> </ul>	
		• Pack size: 100 μl	
25.	MyoD Antibody	The primary antibody IgG should have      The primary antibody IgG should have a state of the primary and the primary	Į Į
		species reactivity to Porcine/Human, Mouse, Rat	
		<ul><li>Applicable for western blotting,</li></ul>	
		immunocytochemistry	
		<ul> <li>Maybe polyclonal/monoclonal</li> </ul>	
		<ul><li>Pack size: 100 µl</li></ul>	
26.	Pax 7 Antibody	The primary antibody IgG should have	1
		species reactivity to Porcine/Human,	
		Mouse, Rat	
		Applicable for western blotting,  impure and a plantistry.	
		<ul><li>immunocytochemistry</li><li>Maybe polyclonal/monoclonal</li></ul>	
		<ul> <li>Pack size: 100 µl</li> </ul>	
27.	CD 56 (NCAM)	The primary antibody IgG should have	1
	Antibody	species reactivity to Porcine/Human,	
	,	Mouse, Rat	
		<ul> <li>Applicable for western blotting,</li> </ul>	
		immunocytochemistry	
		<ul><li>Maybe polyclonal/monoclonal</li><li>Pack size: 100 µl</li></ul>	
28	CD 34 Antibody	The primary antibody IgG should have	1
20.	CD 047 (IIIIDOU)	species reactivity to Porcine/Human,	'
		Mouse, Rat	
		<ul> <li>Applicable for western blotting,</li> </ul>	
		immunocytochemistry	
		<ul> <li>Maybe polyclonal/monoclonal</li> </ul>	
	0000	Pack size: 100 µl	
29.	SDC 2 antibody	The primary antibody IgG should have  species regetivity to Persing (Human)	1
		species reactivity to Porcine/Human, Mouse, Rat	
		<ul><li>Applicable for western blotting,</li></ul>	
		immunocytochemistry	
		<ul> <li>Maybe polyclonal/monoclonal</li> </ul>	
		<ul> <li>Pack size: 100 μl</li> </ul>	
30.	Anti-Rabbit	It should be anti-Rabbit IgG whole/Fc	1
	Secondary	secondary antibody with the conjugate	
	Antibody	Alexa fluor 568	
		<ul> <li>It should be suitable for flowcytometry, Immunofluorescence &amp; or Western blot</li> </ul>	
		applications	
		<ul> <li>It should be purified and in liquid form</li> </ul>	
		<ul> <li>Pack size: Minimum 200 µl</li> </ul>	

	A . 1*		,
31.	Anti-mouse	It should be anti-mouse IgG whole/Fc	
	Secondary	secondary antibody with the conjugate	
	Antibody	FITC	
	,	<ul> <li>It should be suitable for flowcytometry,</li> </ul>	
		Immunofluorescence & or Western blot	
		applications	
		<ul> <li>It should be purified and in liquid form</li> </ul>	
		<ul> <li>Pack size: Minimum 200 μl</li> </ul>	
32.	Anti-human	<ul> <li>It should be Goat anti-human IgG</li> </ul>	1
	Secondary	whole/Fc secondary antibody with the	
	Antibody	conjugate TRITC	
	, a moodly	<ul> <li>It should be suitable for flowcytometry,</li> </ul>	
		Immunofluorescence & or Western blot	
		applications	
		<ul> <li>It should be purified and in liquid form</li> </ul>	
		<ul> <li>Pack size: Minimum 200 μl</li> </ul>	
33.	4', 6-diamidino-2-	It should be in liquid form	1
	phenylindole (DAPI)	• It should be suitable for fluorescent staining	
		of DNA for cellular imaging	
		The concentration should be in the range	
		<1mg/ml	
		Should have been referred/cited in	
		publications in peer reviewed journals of	
		Impact factor condition at the set	
34.	Goat anti-Pig	Physical form: Purified liquid form	1
	Secondary	Nature: Goat anti-Pig IgG whole/Fc	
	•	secondary antibody with florescent dye	
	Antibody	tagged conjugate having absorbance in	
		the range of 550-600 nm.	
		<ul> <li>Applications: Suitable for flowcytometry,</li> </ul>	
		Immunofluorescene & or Western blot	
		Concentration: 2 mg/ml	
		Pack size: 1 mg	
35.	African Swine fever	Specificity: p72	1
	Virus (ASFV)	<ul> <li>Clonality: Monoclonal/Polyclonal; Host:</li> </ul>	'
	, ,	Rabbit	
	Antibody	Conjugate: Unconjugated	
		<ul> <li>Purification: Antigen affinity</li> </ul>	
		chromatography	
		Storage buffer: PBS with 50% glycerol	
		Immunogen: Recombinant protein	
		Pack size: 1 mg	
36.	Classical Swine	Specificity: E2	1
	fever Virus (CSFV)	<ul> <li>Clonality: Monoclonal/Polyclonal; Host:</li> </ul>	•
	• • •	Rabbit	
	Antibody	Conjugate: Unconjugated	
		<ul> <li>Purification: Protein A purified</li> </ul>	
		Pack size: 1 mg	
37.	Rabbit anti-Pig IgG	Species Reactivity: Pig	2
] 3/.		<ul><li>Species Reactivity. Fig</li><li>Class: polyclonal</li></ul>	
	Secondary	<ul><li>Type: Secondary Antibody</li></ul>	
	Antibody	<ul> <li>Host/Isotype: Rabbit / IgG</li> </ul>	
		<ul> <li>Immunogen: pig IgG whole molecule</li> </ul>	
		<ul> <li>Infinitionagen, pigligg whole molecule</li> <li>Conjugate: HRP</li> </ul>	
		r Conjuguie, nikr	

<ul><li>Concentration: 2 mg/mL</li><li>Target: IgG</li></ul>	
Packaging: 1 mg	

#### **Additional Technical Requirements**

#### SI. no 1 to 37 must furnish the followings:

- 1. The successful bidder should ensure that standard packaging and transportation guidelines as per instructions of respective manufacturers are followed while supplying the said chemicals.
- 2. The successful bidder should ensure a minimum 9 months or above shelf life of the product at the time of delivery.

#### PREPARATION OF TECHNCIAL BID

The Technical bid shall contain following documents failing which the bids will be considered invalid and will be rejected.

1. EMD of Rs. 10000/- (online payment to "ICAR NR Centre on Pig" A/c No. 10029420452, State Bank of India, IFSC Code SBIN0009945, Khanapara Branch and proof of deposits must be uploaded. EMD is exempted to MSME/Startup firms as per the rules (Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption for submission of EMD.

If the bidder is the manufacturer of the quoted product/services and is a MSE firm, than for claiming EMD exemption, the firm must submit a declaration that they are the original manufacturer of the quoted product/services by mentioning the brand name They should be MSE registration certificate as manufacturer/service provider. Traders are excluded from the purview of this Policy and no exemption will be provided to the traders.

- 2. Information schedule as per enclosed performa (Annexure-I).
- 3. Copy of TAN/PAN card.
- 4. Copy of GST certificate.
- 5. Trade License/Registration Certificate/MSME Registration Certificate.
- 6. Annual Turnover Certificate of the last 3 years. The average annual turnover shall be of atleast 2 lakhs. (Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption for submission of Annual Turnover. Traders are excluded from the purview of this Policy and no exemption will be provided to the traders).
- 7. Submit/Upload at least 01 Number (one number) of work order awarded for similar work from any Govt./PSU/University/Autonomous bodies/Reputed Companies. The experience criteria is exempted to MSME/Startup firms as per the rules. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption for submission of work order copy. Traders are excluded from the purview of this Policy and no exemption will be provided to the traders.
- 8. The bidder should submit the compliance statement in the prescribed format as per **Annexure-II**.
- 9. The bidder should submit the Tender Acceptance Letter in the prescribed format as per **Annexure-III**
- 10. The bidder should submit the Make In India (MII)compliance statement in the prescribed format as per Annexure-IV. The Make in India certificate should be submitted by the OEM only.
  - \*Bidders should ensure that all the documents submitted are genuine. If any documents are found to be fabricated or falsified the bid, contract, if awarded will be rejected/cancelled and appropriate action including blacklisting and legal options will be taken. The institute reserves the right to verify the authenticity of documents (UDIN/UDYAM/MSME) submitted and the bidder will be required to produce the original document for verification, if required at ICAR-NRC on Pig.

#### PREPARATION OF FINANCIAL BID

Firm shall quote rates which shall be inclusive of all labour cost, material/spare cost, transportation & conveyance charges, administrative charges, monitoring and supervisory charges, agency profit, GST/Taxes etc.

Sd/-Asstt. Administrative Officer

#### **ANNEXURE-I**

#### **Information Schedule**

(Shall be submitted by the bidder in their letter head)

1.	Name of the Firm/Agency.	
2.	Address with Tel. No./Fax/E-mail.	
3.	Contract Person Name and Mobile No.	
4.	Bank Account No. Branch Code Bank Name	
5.	Whether all <b>10 Nos of documents</b> as required/mentioned in Preparation of Technical Bids are uploaded/submitted.	Yes/No
6.	Whether the firm has any legal suit/criminal case pending against it or contemplated against them. If Yes, details thereof	Yes/No
7.	Whether the Agency had been blacklisted by any organization. If Yes, details thereof.	Yes/No

I/ we hereby certify that the information furnished above is correct and true to the best of our knowledge. We understand that in the event of information being found false at any stage, the agency will be blacklisted and will have no dealing with ICAR, Institutes.

Signature and Seal of the Bidder Business Address

# ANNEXURE II Compliance statement in the prescribed format

#### The technical specifications are mentioned hereunder:

SI. No.	Name of the Items	Complete Generic Specification	Quantity Required (Nos.)	Quoted/Not Quoted (Please mention the Make and Model No. of the Product	Complied to the required Specific ations (Yes/No)
1.	Phosphate Buffer Saline	<ul> <li>Physical form: Sterile Solution, with pH 7.4</li> <li>Concentration: 10 X</li> <li>Applications: Mammalian cell culture and molecular biology works</li> <li>Purity: Free from nonspecific endonuclease, exonuclease, and RNase activity.</li> <li>Pack size: 500 ml</li> </ul>	6		
2.	Bovine Serum Albumin	<ul> <li>Physical form: Sterile lyophilized form</li> <li>Applications: For cell culture works</li> <li>Pack size: 1 gram</li> </ul>	1		
3.	Paraformaldehyde solution	<ul> <li>Physical form: Sterile filtered Solution in PBS (with DEPC)</li> <li>Concentration: 4%</li> <li>Grade: fluorescent grade</li> <li>Applications: Suitable for flowcytometry and cell culture applications</li> <li>Pack size: 10 ml</li> </ul>	5		
4.	Bovine serum albumin	<ul> <li>Physical form: Powder</li> <li>Grade: Molecular biology</li> <li>Purity: Nuclease and Protease free</li> <li>Pack size: 25 grams</li> </ul>	1		
5.	Dulbecco's Modified Eagle Medium (DMEM),	<ul> <li>It should support the growth of different mammalian cells</li> <li>Concentration: 1X</li> </ul>	4		

	High Clucoso	It should contain high		
	High Glucose,	glucose, sodium pyruvate		
	pyruvate	and phenol red indicator		
		·		
		It should be sterile filtered     Reack size: 500 ml		
	F 1.15 .	Pack size: 500 ml	10	
6.	Foetal Bovine	<ul> <li>It should support the</li> </ul>	10	
	Serum	growth of mammalian		
		cells when added with		
		basal media		
		<ul> <li>It should be sterile filtered</li> </ul>		
		<ul> <li>It should be of low</li> </ul>		
		endotoxin and		
		haemoglobins		
		<ul><li>Pack size: 50 ml</li></ul>		
7.	Trypsin EDTA	Liquid formulation	3	
	solution	containing trypsin: EDTA		
	301011011	(0.25 %) and phenol red		
		for cell culture passaging		
		for cell dissociation		
		<ul> <li>The trypsin should be of</li> </ul>		
		porcine origin		
		<ul> <li>It should be sterile and</li> </ul>		
		suitable for culture of		
		mammalian cells		
		Pack size: 100 ml		
8.	Donaity gradient		1	
0.	Density gradient	<ul> <li>Density gradient medium for the isolation of</li> </ul>	'	
	medium			
		mononuclear cells (MNCs)		
		from peripheral blood,		
		cells etc.		
		Should be sterile,		
		endotoxin-tested		
	Englas Milit	Pack size: 100 ml		
9.	Eagles Minimum	It should be in liquid form	5	
	Essential Media	support the growth of		
		different mammalian cells		
		in suspension and		
		monolayer		
		<ul> <li>It should contain non-</li> </ul>		
		essential amino acids,		
		glutamine and sodium		
		pyruvate		
		<ul> <li>It should not contain</li> </ul>		
		phenol red		
		<ul> <li>It should be sterile filtered</li> </ul>		
		<ul><li>Pack size: 500 ml</li></ul>		
10.	Tween 20	It should be in viscous	1	
		liquid form		
		<ul> <li>It should be suitable for</li> </ul>		
		cell culture, DNA/RNA		
		extraction and protein		
		purification		
		<ul><li>Pack size: 250 ml</li></ul>		
		F 1 GCK 3126, 230 1111		

11.	DMSO	It should be in liquid form	1
		as cryofreezing medium for mammalian cell culture  It should be sterile filtered  It should not contain endotoxin or as permissible as per National and International standards  It should be sterile filtered and serum free  Pack size: 100 ml	
12.	Methanol solution	<ul> <li>It should be in liquid form and sterile filtered</li> <li>It should have purity of &gt;99.9%</li> <li>It should be suitable for cytogenetic studies</li> <li>Pack size: 1000 ml</li> </ul>	1
13.	Mounting media	<ul> <li>It should be in clear liquid form</li> <li>It should be suitable for immunofluorescence microscopy</li> <li>Pack size: 2 ml</li> </ul>	1
14.	Collagenase	<ul> <li>Origin: Clostridium     Histolyticum</li> <li>It should be in powder     form</li> <li>Storage temperature     should be at -20° C</li> <li>It should be suitable for     mammalian cell culture</li> <li>Pack size: 1 gram</li> </ul>	
15.	HEPES  2-[4-(2- hydroxyethyl)-1- piperazine]-1- ethanesulfonic acid buffer	<ul> <li>Physical form: Liquid (1M)</li> <li>It should be suitable for mammalian cell culture</li> <li>Sterile filtered</li> <li>Pack size: 20 ml</li> </ul>	2
16.	Horse Serum	<ul> <li>It should support the growth of mammalian cells</li> <li>It should be heat inactivated</li> <li>The serum should be negative for EIA</li> <li>It should be sterile</li> <li>Pack size: 100 ml</li> </ul>	5

		1	
17.	Bovine Serum	<ul><li>Physical form: powder</li></ul>	1
	Albumin	<ul> <li>Color: White to yellow to</li> </ul>	
		biege	
		Applications: Suitable for	
		cell culture applications	
		Sterility: Sterile filtered	
10		Pack size: 50 grams	
18.	RBC lysis buffer	Concentration: 1X	
		It should be suitable for	
		flowcytometry and cell	
		<ul><li>culture applications</li><li>Pack size: 100 ml</li></ul>	
10	Paraformaldohydo		1
19.	Paraformaldehyde		
	solution	<ul><li>Grade: Fluorescent grade</li><li>Application: Suitable for</li></ul>	
		flowcytometry and cell	
		culture applications	
		<ul> <li>Pack size: 1000 ml</li> </ul>	
20.	Triton X-100	Concentration: 1%	1
20.		Grade: Fluorescent grade	
		<ul> <li>Application: Suitable for</li> </ul>	
		flowcytometry and cell	
		culture applications	
		<ul> <li>Should be sterile filtered</li> </ul>	
		<ul><li>Pack size: 500 ml</li></ul>	
21.	Trypan Blue Dye	<ul> <li>Ready to use cell</li> </ul>	5
		impermeant nucleic acid	
		stain that emits bright	
		green fluorescence when	
		bound to DNA to measure	
		viability and cytotoxicity in	
		kinetic live cell assays	
		The excitation/emission	
		wavelength range in	
		504/523 nm	
		It should be available in  liquid form and stable in	
		liquid form and stable in	
		room temperature  It should be suitable for	
		cell imaging system using	
		Fluorescence	
		Microscopes, Flow	
		Cytometer	
		Pack size: 1 ml	
22.	Collagenase type	It should be free from	1
	XI	clostridium histolyticum	
	·	<ul> <li>It should be in powder</li> </ul>	
		form	
		<ul> <li>It should be suitable for</li> </ul>	
		mammalian cell culture.	
		<ul><li>Pack size: 100 mg</li></ul>	
23.	CD35 Antibody	<ul> <li>The primary antibody IgG</li> </ul>	1
		should have species	

			Т	
		reactivity to		
		Porcine/Human,Mouse,Rat		
		<ul> <li>Applicable for western</li> </ul>		
		blotting,		
		immunocytochemistry		
		<ul><li>Maybe</li></ul>		
		polyclonal/monoclonal		
		<ul><li>Pack size: 100 μl</li></ul>		
24.	CD29 Antibody	<ul> <li>The primary antibody IgG</li> </ul>	1	
		should have species		
		reactivity to		
		Porcine/Human, Mouse,		
		Rat		
		<ul> <li>Applicable for western</li> </ul>		
		blotting,		
		immunocytochemistry		
		<ul><li>Maybe</li></ul>		
		polyclonal/monoclonal		
		<ul><li>Pack size: 100 µl</li></ul>		
25.	MyoD Antibody	The primary antibody IgG	1	
	, 62 /	should have species		
		reactivity to		
		Porcine/Human, Mouse,		
		Rat		
		<ul> <li>Applicable for western</li> </ul>		
		blotting,		
		immunocytochemistry		
		<ul><li>Maybe</li></ul>		
		polyclonal/monoclonal		
		<ul> <li>Pack size: 100 µl</li> </ul>		
26.	Pax 7 Antibody	The primary antibody IgG	1	
20.	1 ax 7 7 mbody	should have species	'	
		reactivity to		
		Porcine/Human, Mouse,		
		Rat		
		<ul><li>Applicable for western</li></ul>		
		blotting,		
		<ul><li>immunocytochemistry</li><li>Maybe</li></ul>		
		•		
		polyclonal/monoclonal		
27	CD 54 (NC A AA)	Pack size: 100 µl     The primary antibody IaG	1	
27.	, ,	The primary antibody IgG     should have species.		
	Antibody	should have species		
		reactivity to		
		Porcine/Human, Mouse,		
		Rat		
		Applicable for western		
		blotting,		
		immunocytochemistry		
		<ul><li>Maybe</li></ul>		
		polyclonal/monoclonal		
	00.04 : "" :	• Pack size: 100 µl		
28.	CD 34 Antibody	The primary antibody IgG	1	
1		should have species		

			ı	T
		reactivity to Porcine/Human, Mouse, Rat  • Applicable for western blotting, immunocytochemistry  • Maybe polyclonal/monoclonal • Pack size: 100 µl		
29.	SDC 2 antibody	<ul> <li>The primary antibody IgG should have species reactivity to Porcine/Human, Mouse, Rat</li> <li>Applicable for western blotting, immunocytochemistry</li> <li>Maybe polyclonal/monoclonal</li> <li>Pack size: 100 µl</li> </ul>	1	
30.	Anti-Rabbit Secondary Antibody	<ul> <li>It should be anti-Rabbit IgG whole/Fc secondary antibody with the conjugate Alexa fluor 568</li> <li>It should be suitable for flowcytometry, Immunofluorescence &amp; or Western blot applications</li> <li>It should be purified and in liquid form</li> <li>Pack size: Minimum 200 µl</li> </ul>	1	
31.	Anti-mouse Secondary Antibody	<ul> <li>It should be anti-mouse IgG whole/Fc secondary antibody with the conjugate FITC</li> <li>It should be suitable for flowcytometry, Immunofluorescence &amp; or Western blot applications</li> <li>It should be purified and in liquid form</li> <li>Pack size: Minimum 200 µl</li> </ul>	1	
32.	Anti-human Secondary Antibody	<ul> <li>It should be Goat antihuman IgG whole/Fc secondary antibody with the conjugate TRITC</li> <li>It should be suitable for flowcytometry, Immunofluorescence &amp; or Western blot applications</li> <li>It should be purified and in liquid form</li> <li>Pack size: Minimum 200 µl</li> </ul>	1	

00	41 ( 11 )	Hala Lalla ta Partition	1,	$\overline{}$
33.	4', 6-diamidino-2- phenylindole (DAPI)	<ul> <li>It should be in liquid form</li> <li>It should be suitable for fluorescent staining of DNA for cellular imaging</li> <li>The concentration should be in the range &lt;1 mg/ml</li> <li>Should have been referred/cited in publications in peer reviewed journals of Impact factor condition at the set</li> </ul>		
34.	Goat anti-Pig Secondary Antibody	<ul> <li>Physical form: Purified liquid form</li> <li>Nature: Goat anti-Pig IgG whole/Fc secondary antibody with florescent dye tagged conjugate having absorbance in the range of 550-600 nm.</li> <li>Applications: Suitable for flowcytometry, Immunofluorescene &amp; or Western blot</li> <li>Concentration: 2 mg/ml</li> <li>Pack size: 1 mg</li> </ul>		
35.	African Swine fever Virus (ASFV) Antibody	<ul> <li>Specificity: p72</li> <li>Clonality:     Monoclonal/Polyclonal;     Host: Rabbit</li> <li>Conjugate: Unconjugated</li> <li>Purification: Antigen     affinity chromatography</li> <li>Storage buffer: PBS with     50% glycerol</li> <li>Immunogen:     Recombinant protein</li> <li>Pack size: 1 mg</li> </ul>		
36.	Classical Swine fever Virus (CSFV) Antibody	<ul> <li>Specificity: E2</li> <li>Clonality:     Monoclonal/Polyclonal;     Host: Rabbit</li> <li>Conjugate: Unconjugated</li> <li>Purification: Protein A     purified</li> <li>Pack size: 1 mg</li> </ul>	1	
37.	Rabbit anti-Pig IgG Secondary Antibody	<ul> <li>Species Reactivity: Pig</li> <li>Class: polyclonal</li> <li>Type: Secondary</li></ul>	2	

	<ul><li>Concentration: 2 mg/mL</li><li>Target: IgG</li><li>Packaging: 1 mg</li></ul>			
--	--	--	--	--

#### **Additional Technical Requirements**

#### SI. no 1 to 37 must furnish the followings:

- 1. The successful bidder should ensure that standard packaging and transportation guidelines as per instructions of respective manufacturers are followed while supplying the said chemicals.
- 2. The successful bidder should ensure a minimum 9 months or above shelf life of the product at the time of delivery.

Signature and Seal of the Bidder

**Business Address:** 

#### **TENDER ACCEPTANCE LETTER**

	Date:
To,	
The Director, ICAR-NRC on Pig Rani, Guwahati -781131 Assam	
Dear Sir,	
The Bid documents/corrigendum(s) issued for	
I/We hereby unconditionally accept all the tender/bid terms & conditions as metender/bid document(s)/ corrigendum (s) in its totality/entirety.	entioned in
I/We do hereby declare that our Firm has not been blacklisted/debarred by Department/Public sector undertaking.	any Govt.
I/We certify that all information furnished by our Firm is true & correct and in that the information is found to be incorrect/untrue or found violated, department/ organization shall without giving any notice or reason therefore or reject the bid or terminate the contract, without prejudice to any other rights including the forfeiture of the fully said earnest money deposit absolutely.	then your summarily
Signature and Seal of	the Bidder
Busines	s Address:

#### Format for Self-Certification under Preference to "MAKE IN INDIA" Policy

#### CERTIFICATE

clarifications/amendments and other references as issue	(supplier name) are supplier meeting
M/s the requirement of Minimum Local content as per below.	
( Class-I Supplier (50%) or Class-II Supplier (20	%) or Non-Local Supplier (Less than 20%))
as defined in above orders/circulars/clarifications/amount	endments for the material against
Tender No	
Details of Location (Complete Address) at which local va	alue addition will be made is as follows:
We have also read the clarification issued vide Circular Dtd.: 04.03.2021 and any other subsequent circular/ame Total Value of local content addition/manufacturing for declaration.	endment/order as issued by competent authority.
Dtd.: 04.03.2021 and any other subsequent circular/ame Total Value of local content addition/manufacturing for declaration.	endment/order as issued by competent authority.
Dtd.: 04.03.2021 and any other subsequent circular/ame	endment/order as issued by competent authority.
Dtd.: 04.03.2021 and any other subsequent circular/ame Total Value of local content addition/manufacturing for declaration.  Accordingly, we declare to be (Tick One)	endment/order as issued by competent authority.

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rule for which for which a bidder or its successors can be debarred for up two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized Signatory