

**BID BULLETIN NO. 1  
2 September 2024**

**Supply, Delivery, Testing, Commissioning, and Training of One (1) Unit Satellite Encoder with Integrated Modulator of the Fly Away System**

This bulletin is being issued to revise/clarify certain portions of the bidding documents. This shall form an integral part of the bidding documents for the above-stated project.

No.	Queries	Response																																																															
1	<p>On page 22, Section VI. Schedule of Requirements, Delivered Weeks/ Months and the thirty (30) calendar days upon signing of Notice to Proceed (NTP)</p> <ul style="list-style-type: none"> <li>- Could we extend it to 90 calendar days?</li> <li>- Factors to consider include the availability of the equipment, shipping lead time, the duration of integration, testing, commissioning, and training</li> </ul>	<ul style="list-style-type: none"> <li>- Delivery Period is hereby extended from thirty (30) calendar days to ninety (90) calendar days</li> </ul>																																																															
2	<p>On page 16, under Section IV. General Conditions of Contract, refer to number 1. Scope of Contract, "this Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein."</p> <ul style="list-style-type: none"> <li>- This contract includes all items, even those not specifically mentioned, but up to what extent? Please specify.</li> </ul>	<ul style="list-style-type: none"> <li>- To the extent where the equipment is fully functional and has complete accessories that the supplier will provide. If the equipment does not function normally, the supplier will provide a replacement unit.</li> </ul>																																																															
3	<p>On page 23, Section VII, Technical Specifications, Item 1, we request consideration to disregard and relax the below specifications.</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>SPECIFICATIONS</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;"><b>Satellite Encoder Modulator for Fly-Away System</b></td> </tr> <tr> <td rowspan="2">Transport Stream Inputs</td> <td>Mpeg 2 over IP</td> <td>Four (4) - Eight (8)</td> <td>Non-Compliant</td> </tr> <tr> <td>Connectors</td> <td>S/PDIF/SDI - SDI Input</td> <td>4 BNC only</td> </tr> <tr> <td rowspan="2">Transport Stream Output</td> <td>Mpeg 2 over IP</td> <td></td> <td>Non-Compliant</td> </tr> <tr> <td>Connectors</td> <td>At least Two (2) TS Output</td> <td>1 ASI G/P only</td> </tr> <tr> <td>Decoding Profiles</td> <td>Video (4:2:0/4:2:2)</td> <td>MPEG-2, MPEG-4 AVC, HEVC</td> <td>N/A</td> </tr> <tr> <td rowspan="2">1 Resolutions and Frame Rates</td> <td rowspan="2">Frame Rate Adjustment</td> <td>Up to 3840x2160p@50/60 fps</td> <td>N/A</td> </tr> <tr> <td>Up to 1920x1080p@25/30 fps</td> <td>N/A</td> </tr> <tr> <td>Audio Processing</td> <td>Encoding Profiles</td> <td>AC-3, E-AC, AC-4, Dolby ATLAS</td> <td>Dolby pass through supported</td> </tr> <tr> <td></td> <td>Decoding Profiles</td> <td>Mpeg 3 Layer II (Stereo)</td> <td>N/A</td> </tr> <tr> <td></td> <td></td> <td>AAC LC/HE AAC v1/v2</td> <td>N/A</td> </tr> <tr> <td></td> <td>Input</td> <td>AC 3, E-AC 3</td> <td>N/A</td> </tr> <tr> <td></td> <td>Protocols</td> <td>Embedded TS</td> <td>N/A</td> </tr> <tr> <td rowspan="2">Management</td> <td>Protocols</td> <td>MPEG TS over UDP</td> <td>Non-Compliant</td> </tr> <tr> <td>Addressing Format</td> <td>Multicast/Unicast</td> <td>Non-Compliant</td> </tr> <tr> <td></td> <td></td> <td>SDI/1080 Base-T</td> <td>Non-Compliant</td> </tr> </tbody> </table>	NO.	DESCRIPTION	SPECIFICATIONS	Remark	<b>Satellite Encoder Modulator for Fly-Away System</b>				Transport Stream Inputs	Mpeg 2 over IP	Four (4) - Eight (8)	Non-Compliant	Connectors	S/PDIF/SDI - SDI Input	4 BNC only	Transport Stream Output	Mpeg 2 over IP		Non-Compliant	Connectors	At least Two (2) TS Output	1 ASI G/P only	Decoding Profiles	Video (4:2:0/4:2:2)	MPEG-2, MPEG-4 AVC, HEVC	N/A	1 Resolutions and Frame Rates	Frame Rate Adjustment	Up to 3840x2160p@50/60 fps	N/A	Up to 1920x1080p@25/30 fps	N/A	Audio Processing	Encoding Profiles	AC-3, E-AC, AC-4, Dolby ATLAS	Dolby pass through supported		Decoding Profiles	Mpeg 3 Layer II (Stereo)	N/A			AAC LC/HE AAC v1/v2	N/A		Input	AC 3, E-AC 3	N/A		Protocols	Embedded TS	N/A	Management	Protocols	MPEG TS over UDP	Non-Compliant	Addressing Format	Multicast/Unicast	Non-Compliant			SDI/1080 Base-T	Non-Compliant	<ul style="list-style-type: none"> <li>- Please refer to the revised Technical Specification attached,</li> </ul>
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REVISIONS

Please see Annex "A" for the revised Section VII. Technical Specifications

ADDITIONAL INSTRUCTIONS


Additional Requirements in the Section VIII. Checklist of Technical and Financial Documents

**Clear and colored brochure of every item or equipment specification with required accessories shall be defined and supported**

All other information in the Bidding Documents inconsistent with the above is hereby revised accordingly. All other provisions which are not affected shall remain in effect.

For further guidance and information of all concerned.

Thank you.

  
**JASMINE B. BARRIOS**  
Chairperson, Bids and Awards Committee



**ANNEX "A"**

REVISED

***Section VII. Technical Specifications***

*[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer; samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]*

Every item or equipment specification with required accessories shall be defined and supported by a clear and colored brochure.

<b>NO.</b>	<b>DESCRIPTION</b>	<b>SPECIFICATIONS</b>		<b>STATEMENT OF COMPLIANCE</b>
1	Satellite Encoder/Modulator for Fly-Away System			
	Inputs	SDI	SD,HD and UHD	
		ASI Input	Yes	
		Connectors	At least Four (4) BNC, SD-SDI and HD-SDI	
	Output	ASI Output	Yes	
		Connector	At least One (1) ASI Output	
	Video Encoding Profiles	MPEG-2	SD and HD	
			MP@ML and MP@HL	
			4:2:0 and 4:2:2	
		MPEG-4 AVC	SD and HD	
			MP@L3 and HP@L4	
			4:2:0 and 4:2:2	
		HEVC	SD, HD and UHD	
	Main 10			
	4:2:0 and 4:2:2			
Resolutions and Frame Rates	Standard Definition (SD)	576i @ 25		
		480i @ 29.97		
	High Definition (HD)	720p @ 50 and 59.94		

			1080p @ 50 and 59.94	
			1080i @ 25 and 29.97	
		Ultra-High Definition	2160p @ 25 and 29.97	
		Aspect Ratio	4:3 and 16:9	
Audio Encoding Profiles	MPEG-1		Layer I and Layer II	
	AAC		AAC-LC and HE-AAC	
	Professional audio coding system		Pass-through	
	Linear PCM		Pass-through	
Scrambling	BISS		Mode 1 and E	
RF Output	L-band		Main Output	
			Monitor Output	
	10 MHz Reference		Yes	
Satellite Modulation	DVB-S		QPSK	
	DVB-S2		QPSK, 8PSK and 16APSK	
	DVB-S2X		QPSK, 8PSK, 16APSK and 32APSK	
Modulation Parameters	FEC		All standard FEC to modulation modes	
	Roll-Off Factor		20%, 25% and 30%	
	L-band		950 – 2150 MHz	
Management	Front Panel		Yes	
	Web GUI		Yes	
	Connectors		At least Two (2) Management Ports, Ethernet RJ-45	

2	Accessories	Digital Video Cable	Compatible with Full HD Signal output source with BNC connector 4 pcs. (50-meter L-4.5CHD)	
		RF Cable	Standard RF cable with N-type connector 4 pcs. (20-meter)	
		AC Cable	Standard AC cable 3 prongs	
3	Installation & Service	Technical Support	Testing, Installation, Training, Commissioning, Software & Firmware Update	