

Major Product Category: Fixed network equipment and components UNSPSC Code- 432217											
Demand Aggregation - On UNSPS Code & Code added by system thereon											
Product Category: VSAT Equipment (Satellite Access Equipment) ITC-HS Code: / UNSPSC Code- 85256091 /43221712											
S.No.	Parameters	Type of field	Value 1	Value 2	Value 3	Value 4	Unit	Remarks	Validation Rule	Filter Required	Priority
1	VSAT system consists of two main parts ODU(Outdoor Unit) and IDU(Indoor Unit). ODU and IDU are interfaced using cable. ODU consists of LNB, BUC and Antenna. IDU consists of Modem.		Yes								
2	Topology	Ch	Star	Mesh	Hybrid					Y	
3	Frequency Band	Ch	C Band	Extended C Band	Ku Band	Ka Band				Y	
4	Antenna Uplink Frequency Range	N					GHz	Must Indicate		Y	
5	Antenna Downlink Frequency Range	N					GHz	Must Indicate		Y	
6	Type of antenna	Ch					Null	Must Indicate like Radome, Parabolic etc.			
7	Antenna Reflector Size (Dia)	N					Mtr.	Must Indicate		Y	
8	Antenna Reflector Material	Ch						Must Indicate			
9	Antenna Gain Tx	Ch					dBi	Must Indicate			
10	Antenna Gain Rx	Ch					dBi	Must Indicate			
11	VSWR Tx	N						Must Indicate			
12	VSWR Rx	N						Must Indicate			
13	Polarization	Ch	Linear	Circular							
14	Cross Pole Isolation	N					dB	Must Indicate			
15	Antenna Mount Type	N						Must Indicate			
16	Antenna Steerability (Elevation)	Ch					Degree	Must Indicate			
17	Antenna Steerability (Azimuth)	Ch					Degree	Must Indicate			
18	Feed Horn with Orthomode Transducer (OMT)	N	Yes								
19	Block Upconverter (BUC) input Frequency Range	Ch						Must Indicate			
20	Block Upconverter (BUC) Output Frequency Range	Ch	Yes	No							

21	Block Upconverter (BUC) Output Power	Ch					Watt	Must Indicate	Y				
22	Block Upconverter (BUC) Gain	Ch					dB						
23	Block Upconverter (BUC) Input Interface	Ch											
24	Block Upconverter (BUC) Output Interface	Ch						Must Indicate					
25	Low Noise Block Converter (LNB) Input Frequency Range	N						Must Indicate					
26	Low Noise Block Converter (LNB) Output Frequency Range	N						Must Indicate					
27	Low Noise Block Converter (LNB) Local Oscillator (LO) Frequency	N					GHz	Must Indicate					
28	Low Noise Block Converter (LNB) Noise Figure	N					dB	Must Indicate					
29	Low Noise Block Converter (LNB) Gain	N					dB	Must Indicate					
30	Low Noise Block Converter (LNB) Input Interface	N						Must Indicate					
31	Low Noise Block Converter (LNB) Output Interface	N						Must Indicate					
32	Indoor Unit (IDU) Symbol Rate Outroute	N					Mega Samples/Sec	Must Indicate					
33	Indoor Unit (IDU) Symbol Rate Inroute	Ch					Mega Samples/Sec						
34	Indoor Unit (IDU) Modulation Type Outroute	N						Must Indicate like BPSK, QPSK etc.					
35	Indoor Unit (IDU) Modulation Type Inroute	N						Must Indicate like BPSK, QPSK etc.					
36	Frequency Error Correction (FEC) Rate Outroute	N						Must Indicate					
37	Frequency Error Correction (FEC) Rate Inroute	Ch						Must Indicate					
38	Transmit Access Mechanism Outroute	Ch						Must Indicate like DVB-S, DVB-S2 etc.					
39	Transmit Access Mechanism Inroute	N						Must Indicate like DVB-S, DVB-S2 etc.					
40	Type of IDU IP Interface	Ch	Ethernet 10/100/ 1000										
41	No. of IDU IP Interface	N					No.	Must Indicate					
42	Pair of IFL Cable with Connectors (To be Provided)	N	Yes										
43	Length of Pair of IFL Cable	N	30	50			mtr.						

44	Installation and Commissioning	Ch	Yes										
45	DPL (Dealer Possession Licence issued by DOT) for supplying in India	Ch	Available										
46	VSAT Baseband Compatibility	Ch	Yes					Must Indicate the Compatible Hub Baseband Model no.					
47	Operating Temperature Range	Ch	Yes				Degree C	Must Indicate for Antenna, BUC, LNB, IDU seperately					
48	Operating Humidity (RH)	Ch	Yes				%	Must Indicate for Antenna, BUC, LNB, IDU seperately					
49	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited lab to prove conformity to the specification. (Test reports are to be furnished when demanded by buyer)		Yes	No									
50	If yes, Test Report No. and Date	Ch								GHz			
51	If yes, Name of the Lab	N								Metres			
52	If yes, Address of the Lab	Ch											
53	On Site Warranty	N	1	2	3					Year	Y		