

S.No	RFP Part No.	Section No.	Page no.	Content in RFP	Clarification /Support Request	Corrigendum/Clarification by APSFL
1	1.1	1.1.6	7	Last date and time for submission of proposal 17/09/2018	Requesting for a 2 weeks extension for providing a better and suitable solution, and a competitive price. - Celkon Please consider to extend submission date to 01/10/2018 at 3:00 PM. - Dasan Please clarify if we can get time extension of 10 days. - Mybox	Please refer corrigendum
2	1.1.	1.1.12	8	Warranty: Onsite warranty for a period of one year for all equipment.	This is in contra with the point mentioned in Page 26 under 7.3 Service levels and Warranty. It is mentioned that the time will be calculated from the defective CPE reaching the designated service center. Please clarify.	Please refer corrigendum
3	3	Delivery Phase	12	The scope of work shall comprise of delivery of the 1.20cores CPES over a period of 2 years against the work orders that will be released by on periodical basis by APSFL.-The bidder shall maintain a stock of 1,00,000 nos for immediate delivery and be able to deliver within a three week period.	The quantities mentioned in Page 16 are not fixed. This is creating confusion in calculating the price as well maintenance of minimum stocks.	Clause is clear
4	4.2	Prequalification Criteria	14	The Bidder /any consortium member should have 3 years of experience in manufacturing or supply of CPE as on date of submission of RFP.	Request you to consider the experience in the supply of all Android devices under this category as an eligible criteria.	Please refer corrigendum
5	4.8	Prequalification Criteria	15	The Bidder/Consortium should have supplied at least 10 lakhs CPES per year on last 2 FYS Globally.	Request you to consider the experience in the supply of all Android devices under this category as an eligible criteria.	Please refer corrigendum
6	5	Schedule of Requirement	16	This is a framed contract bound to specified period of 2 Years. However the orders will be placed on need basis.	In case of any duty revisions / amendments, the difference of duties in supplying the material during this period shall be borne by APSFL as there is no fixed order quantity.	Please refer corrigendum
7	6.5	Technical Qualification	17	The bidder /Consortium should have supplied at least 10 lakh CPES per year in last 2 FYS Globally.	Request you to consider the experience in the supply of all Android devices under this category as an eligible criteria.	Please refer corrigendum
8	6.6	Technical Qualification	17	MSME Inclusion	Requesting to allot some marks for local manufacturers	Please refer corrigendum
9	7.24	Delivery Timeline	25	The successful bidder shall deliver the CPES within 60days from the date of first purchase order. For the subsequent work orders bidder shall deliver the CPES within 30 days.	Kindly consider first supply timelies as 90 days and next supplies in 45 days.	No change
10	7.26	Empanelment Methodology	25	APSFL shall empanel a maximum of 4 bidders for each line item mentioned in the schedule of requirement, namely L1, L2, L3&L4. APSFL reserves the right to ask other bidders to match the price of L1 before empanelment. A work order shall be divided amongst the empanelled vendors. L1*-40%,L2*-30%L3*-20%, L4*-10%.	Kindly incorporate GO No 22 for this RFP to promote local manufacturing. Even at the earlier tenders and supplies, this has been considered and this would enable the products to be tagged in as "Make in Andhra" products	Please refer corrigendum
11	7.31	Payment Terms	27	If the order could not be completed within the stipulated time as per the work order then partial payment will not be made by APSFL.	After delivery of material at site, kindly make 90%of the payment against the invoices submitted after tesing with in 30 days. Balance 10% shall be on submission of Bank Guarantee.	Please refer corrigendum
				Frist Mile Stone: - 30%-in 30days after the delivery of the items, after deducting the LD if applicable.		
				Second Milestone: - 30% shall be paid after completion of QC testing or within 30 days after releasing the first milestone payment-Whichever is earlier.		
				Third Milestone: - 30% will be paid after 30days of 2nd milestone payment.		

				Fourth Mile Stone:- 10% retained for One year or released with 10% PBG submission.		
12		SLA		In SLA, it is mentioned as 5% penalty upto 24 hrs	For all practical reasons, a service time line of 24 hours is reasonable and 5% penalty can be included above 24 hours	SLA mentioned is for replacement time and not s
13	8.10	2. Combo box with Android TV OS	39 ,41	EMMC, 16 GB eMMC	Please consider to revise 16GB eMMC into 8GB eMMC. 8GB eMMC is recommended and field-proven memory size to cover incumbent Android TV service. As well, in consideration of memory shortage and price increase situation in the market, 16GB eMMC requirement may affect to cost and delivery schedule.	Please refer corrigendum
14	8.10	2. Combo box with Android TV OS	39 ,41	Wi-Fi, 802.11abgn. 1T1R	Please consider to revise requirement into 802.11 b/g/n as same as previous CPE box tender requirement. 802.11a is legacy technology rarely used in service globally these days, in addition, only few chipsets support 802.11a with limited functions and features so it seems no any technical and commercial benefits to customer to use 802.11a.	Please refer corrigendum
15	8.10	2. Combo box with Android TV OS	41	Ethernet, 2*RJ45, 10/100MBase-T or Gigabit Ethernet (support IPV4&IPV6)	Please confirm two ethernet ports with one 10/100 Base-T and one 10/100/1000Base-T is acceptable.	Please refer corrigendum
16	8.10	2. Combo box with Android TV OS	39 ,41	USB, 2*USB 3.0 TypeA(HOST)	Please consider to revise USB requirement as 2 * USB 2.0. As far as we checked with multiple chipset makers, no chipsets are available which supports 2 * USB 3.0 interfaces.	Please refer corrigendum
17	8.10	2. Combo box with Android TV OS	39 ,41	"Rear Panel: Power Switch, DC Jack, RJ45, TRRS, TF, HDMI, Micro USB, 2*USB Type-A, Reset Key."	Please consider to remove term of 'Rear Panel' in this clause. Some interfaces need to be located in other side considering compact size and good looking design. If all the interfaces must be located in rear panel then box sizes shall be increased.	Please refer corrigendum

18	8.10	2. Combo box with Android TV OS	39 ,41	RCU, "BT with mic. Basic layout a per Android TV minimum requirement, with number pad, must support usage s cordless phone for voice. Signalling(SIP) and Voice Data should be extended to ATV for handing voice through BT RCU"	<p>1. Please clarify if this RCU with codeless phone requirement is mandatory or optional.</p> <p>2. Please provide service scenario and detailed features for codeless phone.</p> <p>3. Please provide further description on how Android box SIP feature and ONT VoIP feature is working properly.</p> <p>For example, is it seperate function with two seperate account such as one for ONT VoIP and another account for Android SIP application? In that case, codeless phone would be implement with Android SIP application seperated with ONT VoIP feature.</p> <p>If this understanding is wrong, please kindly advise exact service concept and technical requirement.</p>	Please refer corrigendum
19	8.10	2. Combo box with Android TV OS	42, 39	"Build Tools and packages to develop and test custom made system applications along with a development verson of the10 no's ATV boxes with source, and necessary tools to develop and test application shall be provided."	<p>Please consider to remove the term 'with source'.</p> <p>We will provide required ATV boxes with necessary tools as per requirement, but any OS source code shall not be provided according to Android software license policy. It is strictly prohibited that Android certified vendor share full or any part of OS source code.</p>	The clause is applicable for any customizations and system/application software done on top of standard ATV software.
20	8.10	3.4	44	Priority-controlled mode or up to 16 queues per T-CONT in	<p>Please consider to revise 16 queue to 8 queue.</p> <p>8 queue is common standard by mapping with IEEE 802.1p, so we think 8 queue is sufficient to implemented GPON related service. As far as we understand from incumbent customers, most of Telco, Enterprise, hospitality customers are using 8 queue only.</p>	No Change
21	8.10	3.12	44	VPN	Please specify required VPN service. We support VPN pass-through.	It should have Gateway features supporting creating of VPN services in routed mode.
22	8.10	5.8	44	G.711 PCMU, G.711 PCMA, G.723.1, G.726	Please consider to revise G.723.1 into G.723. We support G.723.	It is G.723.1 only not G.723 which is almost obsolete
23	8.10	6.1	45	Content sharing	<p>This requirement is not related to and not supported by the basic box (ONT).</p> <p>If this is the feature for IPTV and Combo box, please specify and provide further description on the 'Content Sharing' feature.</p>	Please refer corrigendum

24	8.10	6.2	45	UPnP Media Server	This requirement is not related to and not supported by the basic box (ONT). If this is the feature for IPTV and Combo box, please specify and provide further description on the 'UPnP Media Server' feature.	Please refer corrigendum
25	8.10	6.3	45	DLNA DMS	This requirement is not related to and not supported by the basic box (ONT). If this is the feature for IPTV and Combo box, please specify and provide further description on the 'DLNA DMS' feature.	Please refer corrigendum
26	8.10	6.4	45	Metadata Support	This requirement is not related to and not supported by the basic box (ONT). If this is the feature for IPTV and Combo box, please specify and provide further description on the 'Metadata Support' feature.	Please refer corrigendum
27	8.10	6.5	45	OSGI (Open Service Gateway Interface)	This requirement is not related to and not supported by the basic box (ONT). If this is the feature for IPTV and Combo box, please specify and provide further description on the 'OSGI' feature.	Please refer corrigendum
28	8.10	6.6	45	E1 (SATO), Nx64Kbps (CESoP), OEM/SLA	Please consider to remove 'E1' interface from this requirement as same as previous CPE tender requirement. 'E1' is quite old and legacy features not used in current FTTx network in India and globally.	Please refer corrigendum
29	8.10	6.7	45	PnP(Plug and Play)	This requirement is not related to and supported by the basic box (ONT). If this is the feature for IPTV and Combo box, please specify and provide further description on the 'PnP' feature.	Please refer corrigendum
30	8.10	10.5	45	Must expose all its interfaces via HTTP, REST API only when connected directly via USB or RJ45, and over Wi-Fi with password access, which is visible in a menu in the CPE, All message (both send and receive) must be in JSON-LD format	This feature needed to be developed in Server level.	Please refer corrigendum
31	8.10	10.6	45	CPE should provide an interface to publish VOIP status messages (Ex: VOIP Calls Status, CLIP, Ringing, etc.,)	Please provide further clarification, how 'Ringing' feature is working on IPTV and Combo box, conceptually and technically.	Please refer corrigendum
32	8.10	14	45	-5°C to +60°C, 0 - 90% Relative Humidity	Please consider to revise '60°C' to '55°C' as like as previous CPE bid requirement. ONT is working under in-door environment mostly so '60°C' requirement looks not required. As well, ONT chipset itself recommend '55°C' as operation temperature.	Please refer corrigendum

33	8.10	15	45	All APSFL Certified CPEs should include a kernel module (supplied by APSFL) in the CPE which does the integrity and security checking for authenticating the CPE	Please provide further description on which type of Kernel module will be provided by APSFL.	Please refer corrigendum
34	8.10	9	45	ONT should be able to share sip server information received via DHCP to LAN side.	Please provide further description and details on how to 'share sip server information received via DHCP to LAN side' as well as expected service from this feature.	Clause is clear
35	8.10	17	43,44	ONT should have ability to set DSCP values.	Please clarify this is mandatory or optional requirement, as well provide expected service with this feature.	Mandatory
36	8.10	21	43	ONT should be able to send the transfer the voice call through the DIAL protocol to the STB	Please provide further information and description on 'Dial Protocol' as well as related Technical standard.	DIAL is Discover-and-Launch protocol used across industry
37	8.10	1. IPTV Box with Android TV OS	39, 41	Device must conform to Android requirements as listed in Android CDD 8.1 (https://source.android.com/compatibility/android-cdd.pdf)	Please consider to revise CDD 8.1 as CDD 8.0 because this is conflict against Google policy. According to Google policy, Android TV OS 8.0 shall be matched with CDD 8.0, if not Google will not certify on this conflict version between OS and CDD.	No change.
38				OTT/ONTT support existing live TV or not?	Please confirm if proposed new IPTV Box and Combo box shall have compatibility for existing Corpus live TV which is being serviced in APSFL FTTx network.	No change.
40	1.1	10	7	Performance Bank Guarantee "10% of the Contract Value"	Please consider to revise 10% of the contract value into 5% with 1 year warranty period as same as previous CPE (combo box) bid/project.	No change.
41	3		12	1. Sample Testing Phase & Acceptance Phase 128 returnable samples have to be submitted for testing, which will done in a lab and as well as on the field as per requirement. Two weeks' time will be given for submission of samples. In case of any failure/delay in submission of samples, APSFL reserves the right to cancel the LOI issued.	1. Please consider to reduce 128 Nos of samples into 5 Nos of samples. As far as we understand, Indian customs are not allow to import more than 5 Nos per item as samples at one shipment. 2. Please provide detailed test scenario and clarify expected test result so that vendor can prepare required testing in advance.	Please refer corrigendum
42	3		12	The Bidder shall maintain a stock of 1,00,000 Nos. for immediate delivery and be able to deliver within a three week period.	Please confirm whether this 1,00,000 stock is based on issuing a purchase order from APSFL.	Stock to be maintained by empaneled vendor and from the date of first purchase order till the contract period.
43	7.24		25	7.24 Delivery Timelines The Successful Bidder shall deliver the CPEs within 60 days from the date of first purchase order. For the subsequent work orders bidder shall deliver the CPEs within 30 days.	There is conflict in given delivery terms between 7.24 delivery timelines and 3. Scope of work. 7.24: 60days for first order, 30days for subsequent order 3. : Immediate delivery in 3 weeks Please consider to revise immediate delivery term as 30 days according to 7.24, 30days.	Delivery timelines are as per 7.24

44	7.3	Service Level Agreement	26	Replacement warranty for one (1) years and needs to maintain at least 10 % of SOR as spares (Percentage of spares mentioned is minimum and it have to be planned by Successful bidder to maintain SLAs)	Please consider to revise 10% of SOR (spares) into 1% based on common spare standard globally.	Please refer corrigendum
45	7.31	Payment terms	27	1st- 30% : 30days after the delivery of the items at the site, after deducting the LD if applicable. 2nd- 30% : paid after completion of QC testing of the delivered consignment or within 30 days after releasing the first milestone payment – whichever is earlier. 3rd - 30% : will be paid after 30 days of 2nd milestone payment 4th - 10% : this amount will be returned after completion of one-year warranty period Or the 10% payment will be released after submission of Bank Guarantee	Please consider to revise the payment terms as same as previous CPE (combo box) bid/project. 1st - 95% : 30 days after the delivery of the items at the site, after deducting the LD if applicable. (The 5% payment will be released after submission of Bank Guarantee)	No change
46		5	16	Schedule of Requirement There are 3 items for CPE	can we bid any 1 requirement or it is mandatory to bid all requirement.	Can bid for single line item.
47	8.1	Annexure -X	39	2 GB DDR 3	Your requirement is of 2K box ,No 2K box will support 2GB DDR. So, only 4K SOC can meet the spec.Please clarify if APSFL can accept 1GB DDR .	No change
48	8.1	Annexure -X	39	2*USB 3.0	That needs special SOC like 905X2. Need to understand why they need 2 USB 3.0 in a 2K Box. Please clarify if 2 USB 2.0 will suffice.	Please refer corrigendum
49	8.1	Annexure -X	39	Other Note	clarify if APSFL need operator tier launcher	Clause is not clear
50	4	S.No.2	14	The Bidder/Any The Bidder/ any consortium member should have 3 years of experience in manufacturing or supply of CPEs as on date of submission of RFP.	Please clarify client certificate. If we submit only Purchase order then will this be valid or not	Please refer corrigendum
51	4	S.No.8	15	The Bidder / Consortium should have supplied at least 10 lakh CPEs per year in last 2 FYs Globally.	1.Please clarify client certificate. If we submit only Purchase order then will this be valid or not 2. 10 lakh CPEs are required for which FYs- 15-16, 16-17 or 16-17, 17-18	Please refer corrigendum
52	4	S.No.9	15	Existing service centres and support centres of OEM/ Authorized Distributors or Dealers in Andhra Pradesh	Is it mandatory to fulfill all 3 requirement. Can not we proceed with any 1 option.	Clause is clear
54	8.5	Annexure VIII	37	Manufacturer's Authorization form	Please note that most of ODM's have tie up with global ems for manufacturing.We have our ems Partner for manufacturing Set Top boxes.So, we (ODM)will sign this annexure. Please confirm if OK.	No change
55	8.1	1	39	2*USB 3.0 TypeA (HOST)	Can a lower version of the USB be accepted? For Eg. 2.0. Reason is a lower chipset will be more cost effective and can match all the product specs required in the tender. Just for USB 3.0 a higher cpu is required and will make a considerable hike in the product cost.	Please refer corrigendum

56	Pre-Qualification Criteria	4	15	8. The Bidder / Consortium should have supplied at least 10 lakh CPEs per year in last 2 FYs Globally.	To encourage the Indian manufacturers and their essence of "Make in India", we request the dept. to relax this criterion and confine the supplies experience to 2 lakhs cumulatively in last 2 FYs.	Please refer corrigendum
57	Technical bid evaluation	6	17	The Bidder / Consortium should have supplied at least 10 lakh CPEs per year in last 2 FYs globally.	To encourage the Indian manufacturers and their essence of "Make in India", we request the dept. to relax this criterion and confine the supplies experience to 2 lakhs cumulatively in last 2 FYs and allot the marks accordingly for 2 lakhs, 2.5 lakhs and 3 lakhs boxes.	Please refer corrigendum
58	Instructions to the bidder	7	25	7.24 Delivery Timelines - The Successful Bidder shall deliver the CPEs within 60 days from the date of first purchase order. For the subsequent work orders bidder shall deliver the CPEs within 30 days.	It takes minimum 1-2 months time to import various components of CPE boxes for manufacturing and hence need relaxation in delivery timelines from 60 days to 90 days from the date of purchase order for all the orders of various lots.	No change.
59	Scope of Work	3	12	Delivery Phase: Each shipment shall be for a minimum quantity of 1,00,000 Nos. The Bidder shall maintain a stock of 1,00,000 Nos. for immediate delivery and be able to deliver within a three week period.	As the manufacturing capacity of CPEs in the RFP timespan would be around 50,000 Nos. only due to financial limits, we request the dept. to amend this clause and reduce the shipment quantity to 50,000 nos. Is the order for entire RFP quantity on prorata of L1,L2,L3&L4 basis or the quantity is for multiple orders? If it is for multiple orders, we will ensure the stock of order quantity. Hence, we request you to release 50% of payment as mobilization advance against submission of bank guarantee, 45% payment against supply of CPEs and 5% payment on submission of bank guarantee for warranty period.	Please refer corrigendum
61	Instructions to the bidder	7	27	7.31 Payment Terms: 1. First Milestone: The payment against each work order will be made after the delivery of the ordered items at the site. If the order could not be completed within the stipulated time as per the work order, then partial payment will not made by APSFL. After completion of full order, 30% of the total cost of ordered items will be paid by APSFL on behalf of the Purchaser in 30 days after the delivery of the items at the site, after deducting the LD if applicable. 2. Second Milestone: 30% of the total cost of ordered items shall be paid after completion of QC testing of the delivered consignment or within 30 days after releasing the first milestone payment – whichever is earlier. 3. Third Milestone: Another 30% will be paid after 30 days of 2nd milestone payment. 4. Fourth Milestone: 10% will be retained during the first-year warranty period and this amount will be returned after completion of one-year warranty period, after deducting the any SLA penalty during the first year operation Or the 10% payment will be released after submission of Bank Guarantee for the warranty period.	As advance payments / LCs are asked by the manufacturers for production of CPEs, we request the dept to relax this clause and release the payments lot-wise as follows: 50% of payment as mobilization advance against submission of bank guarantee, 45% payment against supply of CPEs and 5% payment on submission of bank guarantee for warranty period.	Please refer corrigendum

62	4. Pre-Qualification Criteria	Note:	15	Note: In case of consortium, all correspondence related to this project shall be done with /through the lead member. Consortium cannot be more than two members.	We request the dept to allow consortium of three members to have participation of more bids against this RFP.	Please refer corrigendum 3
63	8.10 Annexure X – Technical Specifications	1. IPTV Box with Android TV OS	39	Bluetooth	BT 4.1 is cost effective compared to BT 4.2. So, request for a change in specification.	Please refer corrigendum
				USB	USB 2.0 is cost effective compared to USB 3.0. So, request for a change in specification.	Please refer corrigendum
				Composite A/V	3XRCA Jack is large in size occupying more space thus increasing the CPE size and the cost of CPE thereby. Hence, request for change in specification to 3.5mm Jack in place of 3xRCA.	Please refer corrigendum
				Panel	As power on/off provision is there from remote control itself, additional power switch feature on the panel may increase the cost of CPE. So, this can be removed.	No change
				RCU	As per the standard industrial practice, remote control is not covered under warranty. So, please exclude the RCU from warranty clause.	No change
64	Section 8.10	1	39	USB-2 * USB 3.0 Type A (HOST)	Why need USB 3.0 Specs ?, please clarify. Suggest to add both with USB 2.0 option	Please refer corrigendum
65	Section 6	6	19	Two weeks time will be given for submission of samples	We believe this is very short time to submit the samples. Request you to consider atleast 5 to 6 weeks time for submission of the samples	No change
66	Section 8.10	1	39	Micro SD	Please mention the Size	No change
67	Section 8.10	1	39	Video Encode- H264 1080P@30fps. VP 8	We think H.265 is better to add to the spec than VP 8	No change
68				Combo Box with Andriod TV OS		
69	Section 8.10	2	41	Other - Note- The OS level access to hardware interfacesuch as Bluetooth, IR should be provided	Why need Bluetooth and I ?	It is customer choice to choose the remote they want. The software and hardware on the STB should support both types of remotes. Bluetooth support Google Assistant connectivity and cordless telephony through RCU
70	7.30	iv	26	Replacement warranty for one (1) years and needs to maintain at least 10 % of SOR as spares (Percentage of spares mentioned is minimum and it have to be planned by Successful bidder to maintain SLAs)	Spares to be maintained by Vendor are 10% of SoR of this tender OR 10% of supply being made by vendor?	Please refer corrigendum
71	7.26	Empanelment Methodology	25	APSFL shall empanel a maximum of 4 bidders for each line item mentioned in the schedule of requirement	Understanding with this clause is max 4 bidders will be selected for each type of CPE namely a)Android TV OS (IPTV box) b)Android TV OS combo box c)GPON CPE(ONT) and bidder/OEM can bid for single category of CPE also.	Please refer corrigendum
72	3	SoW		The proposed number of CPEs that will be installed by APSFL or its associates in the next two (2) years is 1.20 Crore	As per SOR total Qty. given is 2.1 Cr (combining all three types of CPE) so what is the targeted qty. to be procured in next two years?	Please refer corrigendum

73	8.10	6.1 - GPON basic with accessories - content sharing	45	Content sharing	Requesting to elaborate on the content sharing requirement how ONT to be use for the same i.e. interface etc.	Please refer corrigendum
74	8.10	15 - Integrity and Security Checking - GPON basic with accessories	45	All APSFL Certified CPEs should include a kernel module (supplied by APSFL) in the CPE which does the integrity and security checking for authenticating the CPE	Need more information about this requirement. Please clarify whether the ask is to integrate the Kernel module (APSFL) in our Software build? What is the size of the kernel module ?	Please refer corrigendum
75	7	7	27	<p>Payment Terms:First Milestone: The payment against each work order will be made after the delivery of the ordered items at the site. If the order could not be completed within the stipulated time as per the work order, then partial payment will not made by APSFL. After completion of full order, 30% of the total cost of ordered items will be paid by APSFL on behalf of the Purchaser in 30 days after the delivery of the items at the site, after deducting the LD if applicable.</p> <p>2. Second Milestone: 30 % of the total cost of ordered items shall be paid after completion of QC testing of the delivered consignment or within 30 days after releasing the first milestone payment – whichever is earlier.</p> <p>3. Third Milestone: Another 30% will be paid after 30 days of 2nd milestone payment.</p> <p>4. Fourth Milestone: 10% will be retained during the first-year warranty period and this amount will be returned after completion of one-year warranty period, after deducting the any SLA penalty during the first- year operation</p> <p>Or the 10% payment will be released after submission of Bank Guarantee for the warranty period.</p>	We understand that the payment terms is very very complex. To make it simple and attract more bidders we request you to make it clear. Like 70% on supply and rest 20 % on successful completion of QC testing and the remaining 10% payment will be released after submitting BG for the warranty period	Please refer corrigendum
76	8	8.10 - 10.5	45	Must expose all its interfaces via HTTP, REST API only when connected directly via USB or RJ45, and over Wi-Fi with be in JSON-LD format password access, which is visible in a menu in the CPE. All messages (both send and receive) must	We would like to request to elaborate the clause more to get it clarified.	Please refer corrigendum
77	8	8.10 - 12	45	Power Requirement: Comply with CoC V3	We would like to request to provide more detilas of this clause to get it clarified.	Please refer corrigendum
78	8	8.10 - 9	45	Power Saving: IEEE Energy Efficient Ethernet mode (EEE)	We would like to request to provide more detilas of this clause to get it clarified.	Please refer corrigendum
79	8	8.10 - 14	45	Environment: -5°C to +60°C, 0 - 90% Relative Humidity	Generally ONT of mas production and aggressive pricing comes with -5°C to +55°C, 0 - 90% Relative Humidity, whether it woud be possible to accept this tempertauere range otherwise we ill be bidding for -5°C to +60°C, 0 - 90% Relative Humidity	Please refer corrigendum
80	8	8.10 - 15	45	Integrity and security Checking: All APSFL Certified CPEs should include a kernel module (supplied by APSFL) in the CPE which does the integrity and security checking for authenticating the CPE	We would like to request to provide more detilas of this clause to get it clarified.	Please refer corrigendum

81	-	-	-	General	Please specify the interface requirement for the "GPON Basic with Accessories" for Ethernet, voice ports & Wi-Fi requirement. We understand that this ONT shall have one Ethernet interface to connect the Android Box and services / ports for Internet, Voice and Wi-Fi will be available on this. Kindly confirm.	Please refer corrigendum
82	-	-	-	General	Could OEM can only provide "GPON Basic with Accessories". Please confirm.	Please refer corrigendum
83	3. Scope of Work	2. Delivery Phase	12	Each shipment shall be for a minimum quantity of 1,00,000 Nos. The Bidder shall maintain a stock of 1,00,000 Nos.	in view of huge project value please consider to 50,000 No's for each shipment	No change
84	4. Pre-Qualification Criteria	8	15	The Bidder / Consortium should have supplied at least 10 lakh CPEs per year in last 2 FYs Globally.	Consider at least 15 Bonus points in Make in Andhrapradesh scheme, It will encourage to get complete knocked down manufacturing companies and more employment with in the state. It helps the Make In India spirit and curbs outgo of precious Foreign Exchange in these critical times.	Please refer corrigendum
85	4. Pre-Qualification Criteria	Note:	15	Note: In case of consortium, all correspondence related to this project shall be done with /through the lead member. Consortium cannot be more than two members.	in view of huge project please consider to Three consortium members.	Please refer corrigendum
86	5. Schedule of Requirement	1 and 2	16	Bluetooth RCU, Power adapter with cable, HDMI & AV connectors, 1.5M Lan Cable, 2 Nos AAA batteries	we shall consider HDMI & AV cables instead of Connectors. Do we need both HDMI and AV cables or any one of them may be considered please clarify.	Please refer corrigendum
87	6. Technical Bid Evaluation	5	17	The Bidder / Consortium should have supplied at least 10 lakh CPEs per year in last 2 FYs Globally	To promote spirit of "Make in Andhrapradesh" by supporting local Electronics Manufacturers in form of "Complete Knocked Down" (CKD) kindly consider reducing to 2 lakh CPE's as most of the Andhrapradesh OEM's Companies come under this category. It will create lot of employment for the people of Andhrapradesh and also improve the skills of local engineers and technicians. It also simplifies the after sale service in future.	Please refer corrigendum
88	7. Instructions to the Bidder	7.19	23	Performance Bank Guarantee (PBG) for 10% of the Contract Value	in view of huge project value please consider to 2.5% of the contract value	Please refer corrigendum
89	8.10 Annexure X – Technical Specifications	1. IPTV Box with Android TV OS	39	Bluetooth	BT 4.2 is expensive compared to BT 4.1. in view of increase in cost is it possible to consider BT 4.1	Please refer corrigendum
				USB	USB 3.0 is expensive compared to USB 2.0. and does not give any value addition to the product as it is mainly used in home applications. In view of increase in cost is it possible to consider USB 2.0	Please refer corrigendum
				Composite A/V	Can we consider 3.5mm Jack in place of 3xRCA. RCA occupies more space there by increase in CPE size also cost	Please refer corrigendum

				Panel	POWER SWITCH: Android box has stand by mode and also has provision for on/off from remote control. Mirco USB: Please advise us the purpose of Micro USB port.	Please refer corrigendum
				RCU	BT Remote may damage quickly due to drop downs so it is very difficult to provide warranty, So please exclude remote from warranty when physical damage.	No Change
90	APSFL/CP E/14/13/2018	8.10 Annexure X –Technical 1. SpecificationsIP TV Box with Android TV OS	39	Panel Front Panel: Green LED, Orange LED, Blue LED (Bluetooth) Rear Panel: Power Switch, DC Jack, RJ45, TRRS, TF,HDMI, Micro USB, 2*USB Type-A, Reset Key.	Why it need micro USB port? If the IPTV Box have 2*USB3.0 TypeA (HOST)	Please refer corrigendum
91			39	Other inputs Micro SD	If the IPTV Box have 2*USB3.0 TypeA (HOST)Why it need micro USB port? If the IPTV Box have 2*USB3.0 TypeA (HOST)	Please refer corrigendum
92			39	RCU BT with mic. Basic layout as per Android TV minimum requirement, with number pad, must support usage as cordless phone for voice. Signalling (SIP) and Voice Data should be extended to ATV for handling voice through BT RCU	Does it meaning the BT RCU shall support SIPsignalling and Voice data ,could be used as cordless phone?	Please refer corrigendum 3
93					Dose the IPTV box will connected with standlong GPON ONT? Pleae clarify the IPTV box network structure .	Issue clarification
96			41	RCU BT with mic. Basic layout as per Android TV minimum requirement, with number pad, must support usage as cordless phone for voice. Signalling (SIP) and Voice Data should be extended to ATV for handling voice through BT RCU	Dose the Combo box will connected with standlong GPON ONT? Pleae clarify the IPTV box network structure .	Issue clarification
97			41	Voice RJ11 FXS port	As above mention , the BT RCU could be used as cordless phone, Why still need to provide the RJ11 FXS port?	Please refer corrigendum
98			41	PON GPON – Please refer common GPON Specifications mentioned in this tender	Does the GPON shall embeded with Combo box or as a Standlong GPON ONT ?	Please refer corrigendum
99		GPON Basic with accessories	45	8.1 RJ-45 10/100/1000 BASE-T	How many port needed ?	Please refer corrigendum
100			45	10.3 The OLT shall not require the use of vendor-specific Managed Entities and the ONU shall not be forced to provide them.	Which brand name of OLT are using	Currently Altice labs OLTs are being used.
101			45	14 Environment -5°C to +60°C, 0 - 90% Relative Humidity	Does the temperature is working temperature or Starge temperature	Please refer corrigendum
102			45	15 Integrity and security Checking All APSFL Certified CPEs should include a kernel module (supplied by APSFL) in the CPE which does the integrity and security	Please provide the kernel module for study	deleted
103	7	31	27	Can AP fiber provide 100% down payment with PO?		No change
104	3		12	Is sample testing and acceptance included ATV certification?		Please refer corrigendum

105	8	10	40	IPTV STB: Does all in/ouptut interface need to be put on rear panel? Can put some I/O like USB ports on sides of box ?		Please refer corrigendum
106	8	10	41	Combo STB: Does all in/ouptut interface need to be put on rear panel? Can put some I/O like USB ports on sides of box ?		Please refer corrigendum
107	Section 8.10	1	39	Video Encode - H.264 1080P@30fps. VP 8	H.264 and H.265 are popular codecs than VP8. VP8 compression rate is similar as H.264, and H.265 compression rate is 2 times of VP8. We suggest to add H.265 to replace VP8	No change
108	Section 8.10	1	39	USB - 2*USB 3.0 TypeA (HOST)	The transfer rate of USB 2.0 is 480Mbps, it should be enough for most applications. So suggest 2 options: Options1 : either 1* USB 3.0 + 1*USB 2.0 option 2: 2*USB 2.0	Please refer corrigendum
109	Section 8.10	2	41	Panel	PON connector is missing in the spec and needs to be updated	Please refer corrigendum
110	3	3	12	Sample Testing: 128 returnable samples have to be submitted for testing, which will done in a lab and as well as on the field as per requirement. Two weeks' time will be given for submission of samples. In case of any failure/delay in submission of samples, APSFL reserves the right to cancel the LOI issued	Are 128 samples required for all the three boxes or only ONUs?	Please refer corrigendum
111	7	7.31 Payment Terms	27	1. First Milestone: The payment against each work order will be made after the delivery of the ordered items at the site. If the order could not be completed within the stipulated time as per the work order, then partial payment will not made by APSFL. After completion of full order, 30% of the total cost of ordered items will be paid by APSFL on behalf of the Purchaser in 30 days after the delivery of the items at the site, after deducting the LD if applicable.	Request to change this two milestones. Alternatively need to accommodate bank financing costs	Please refer corrigendum
112				2. Second Milestone: 30 % of the total cost of ordered items shall be paid after completion of QC testing of the delivered consignment or within 30 days after releasing the first milestone payment – whichever is earlier.		
113				3. Third Milestone: Another 30% will be paid after 30 days of 2nd milestone payment.		
114				4. Fourth Milestone: 10% will be retained during the first-year warranty period and this amount will be returned after completion of one-year warranty period, after deducting the any SLA penalty during the firstyear operation Or the 10% payment will be released after submission of Bank Guarantee for the warranty period.	Request to change it to 5% as payment milestone of QC is included	
116	8.10	8	39	1. IPTV Box with Android TV OS		
117				Wi-Fi :		
118				802.11abgn. 1T1R	802.11 n 2T2R supports 300mbps and comes at competitive.	Please refer corrigendum
119				USB		

120				2*USB 3.0 TypeA (HOST)	USB 3.0 is expensive and will increase the chipset cost also. We suggest to have one USB 3.0 and one USB 2.0.	Please refer corrigendum
121				Ethernet		
122				RJ45, 10/100MBase-T or Gigabit Ethernet (support IPV4 & IPV6)	1*RJ45 is enough and can save more cost. Kindly confirm or do suggest if there is a use case for the same	Please refer corrigendum
123				Panel		
124				Front Panel: Green LED, Orange LED, Blue LED (Bluetooth) Panel Rear Panel: Power Switch , DC Jack, RJ45, TRRS, TF,HDMI, Micro USB, 2*USB Type-A, Reset Key.	We assume it is Single LED with three colors or do you need three LEDs?	Separate LEDs are recommended.
125				RCU		
126				BT with mic. Basic layout as per Android TV minimum requirement, with number pad, must support usage as cordless phone for voice. Signalling (SIP) and Voice Data should be extended to ATV for handling voice through BT RCU	We can customise when required? Please specify when will you need this?	Please refer corrigendum
127				Other Note		
128				The OS level access to hardware interface such as Bluetooth, IR should be provided.	Because of the selinux policy of android 8.0 and later. Google may not allow this as part of their certification. It is a risk. Need Google confirmation	No change. If this clause needs to be relaxed due to Google policy, bidder may provide a letter stating the same. APSFL may consider relaxing it .
129				Build Tools and packages to develop and test custom made system applications along with a development version of the 10 no's ATV boxes with source, and necessary tools to develop and test application shall be provided	According to the TADA agreement with google, We can not release ATV source. However we can release AOSP source code.	The clause is applicable for any customizations and system/application software done on top of standard ATV software.
130				Custom made SDK/library shall be made available with access and permission to achieve at least: i) Run default background service. ii) Will be able to give commands to system apps. iii) 3rd party can be started as standalone services. iv) Switch default hardware apps with custom app.	This can be provided only as AOSP source code. But should obey the android CDD to pass the ATV certification, Have risk	The clause is applicable for any customizations and system/application software done on top of standard ATV software.
131	8.10	8	43	3) L2/L3 Layer		
132				3.7) 802.1q VLAN processing: Q-in-Q , tagging, removing tag,	Q-in-Q can be implemented by OLT, it does not have to be implemented on the ONT, and ont is not considered for implementation. We believe it is not required to be supported in ONT. Please confirm	Clause has to be satisfied by the OLTs supplied Issue clarification
133			44	4) IPTV Support		
134			44	4.4) IPTV streams forwarding simultaneous: 128	128 simultaneous streams translates to 256 mbps @ of 2mbbps per channel. Since the IPTV CPE is equipped with only 100 mbps. Hence it is not possible to implement this feature. Kindly provide the use case you want to implement on this	No change
135			45	6. Services		
136				6.1) Content Sharing	Could you please explaining the scenario/ use case where you would like to use these features	Please refer corrigendum

137				6.2) UPnP Media server		Please refer corrigendum
138				6.3) DLNA DMS		Please refer corrigendum
139				6.4) Metadata Support		Please refer corrigendum
140	1	1.1 point no. 10	7	INR 1,50,00,000 (Rupees One Crore Fifty Lakhs only) in the form of Bank Guarantee drawn in favour of Andhra Pradesh State FiberNet Ltd, payable at Vijayawada.	BECIL has acted as auditing agency to APSFL so we have prior experience of this program. May the requirement of submitting EMD of 1.5 Cr kindly be relaxed for BECIL being a CPSU under ministry of Information & Broadcasting, Govt. of India.	No change
141	4	Point 2 in Table	14	The Bidder/ any consortium member should have 3 years of experience in manufacturing or supply of CPEs as on date of submission of RFP.	BECIL has recently started third party manufacturing of broadcasting/broadband devices to promote Make-in India policy of GOI so the criteria of 3 years experience in supply/manufacturing of CPEs may kindly be relaxed for CPSU's.	Please refer corrigendum
142	4	Point 8 in Table	15	The Bidder / Consortium should have supplied at least 10 lakh CPEs per year in last 2 FYs Globally.	BECIL has recently started third party manufacturing of broadcasting/broadband devices to promote Make-in India policy of GOI so the criteria of supplying at least 10 lakh CPEs per year in last 2FY may kindly be relaxed for CPSU's.	Please refer corrigendum