



**SINDH EDUCATION FOUNDATION
GOVT. OF SINDH**

PLOT NO.21, BLOCK-7/8, OVERSEASE HOUSING, AMEER KHUSRO ROAD
KARACHI, PAKISTAN.

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**ADDENDUM OF BIDDING DOCUMENT FOR THE TENDER OF CUSTOMIZED
ANDROID TABLETS (QTY 18000) ADP SCHEME NO. 247.**

Tender Ref no. SEF/NP/16-17/27.

This is with reference to the Pre-bid meeting held on 1st February, 2017 in respect of the tender for Customized Android Tablets (Qty 18000). The vendors' participated in the meeting raised various questions/ queries which were concluded with the following outcomes.

- The bid submission and bid opening date has been extended up to **20th February, 2017.**
- The schedule of requirement has been revised, now the first installment of 9000 out of 18000 tablets is required by **15th of May, 2017.**

**DISCUSSION DURING PRE-BID MEETING FOR THE TENDER OF CUSTOMIZED
ANDROID TABLETS (QTY 18000)**

Queries during Pre-bid Meeting	Replies
Is the stylus is active or passive.	As per discussion and agreement with software Vendor, Stylus with tablets aren't required anymore.
How much GHZ processor is required?	As per Software Vendor, they have tested and bench-marked the application and recommend that procured tablets must come with minimum 1.3 GHZ (Actual Speed not robust speed) or higher.
Requirement of HDMI Connector	As per project design and keeping the sustainability of operations throughout the project years , the tablets are required with HDMI connectors
On which model the application has been tested	As per Software vendor, they have tested and bench-marked the application on the own customized tablets and the tablets were of minimum 1.3 GHZ (Actual Speed not robust speed) or higher.
Is the application launcher has been developed	Yes it has been developed by Software Vendor
How much space will the application will take.	With current Scope of work, it is estimated that with all required educational contents will take approx. 16 GB.
How the other applications can be restricted to be installed.	They can be restricted through custom ROM development ...

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	<p>Following is a list of default applications that we need in the tablets.</p> <ol style="list-style-type: none">1. Settings2. Camera3. Calendar4. Calculator <p>Other default Android apps aren't needed and are requested to be unavailable in the tablets.</p>
Tablet Casing or cover	<p>We had mentioned the following requirement in the functional specs: "Should come with glass screen protector and flip-cover casing". However, a rubberized cover that can also make the tablet fall-proof / shock-resistant would also work</p>
RAM	<p>As per software vendor – minimum 2 GB RAM or higher is recommended.</p>

REPLIES OF QUERIES REGARDING TENDER FOR THE CUSTOMIZED ANDROID TABLETS.

Query Asked by	Queries	Replies
M/s. DWP	<ol style="list-style-type: none">1. As already discussed in meeting that availability of 2.0 GHz processor in Tablets is not possible and already verified by your Application vender that App will smoothly run on 1.3GHz processor therefore please clarify this point and change clock speed of processor.2. Minimum 3 Years' experience in supply of Tablets (evidence required). Please clarify this point if vendors are reseller of any OEM then will they allowed to share Manufacture Authorization Letter of Principal and use Principal Experience?3. At least 3 work orders of financial worth minimum 10 million in last three years. Is this necessary to share work orders for Tablets Sale only?4. Please share delivery locations.	<ol style="list-style-type: none">1. Minimum 1.3 GHZ or higher (Actual speed not robust speed)2. Yes3. Yes.4. SEF Head office Karachi and Application vendor office , which is also in Karachi5. Stylus not required

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	<p>5. Please clarify that you need Stylus for touch only or for writing also.</p> <p>6. 8" Screen Size is your standard requirement or we can quote above screen size like 10"</p> <p>7. Will you required HDMI Port?</p> <p>8. Will you need logo in BIOS or printed in Tablet?</p>	<p>6. The minimum requirement is 8 Inches , however you may quote screen size above 8 inches but it won't get you any technical advantage in evaluation</p> <p>7. YES</p> <p>8. On Both</p>
<p>M/s. ZAHRA ENTERPRISES</p>	<p>1. As per telephonic conversation with your software vendor , software still not complete but on his testing mode without bugging test and other tests , how he suggest machine? suggestion from our end : (As delivery required in april , date date in on 10 feb which will take around more than 45 days to process and finalize to issue Purchase order in between march 15-20 , however if any vendor will get PO how could be able to supply in april ?</p> <p>2. Is partial supply acceptable?</p> <p>3. In our opinion before going to procure visit our factory and check your tablet give proper approval by in written to continue for development , as it completely only procuring and keeping logo on bios and logo on machine will not be able to do any where if any error or question arising from your end .</p> <p>4. What about mobilization?</p> <p>5. Kindly share the exact date for software provided form your end to vendor?</p>	<p>1. Question one is actually two questions , in one part he is asking how come our software vendor suggest machine without testing - I think he has got the wrong picture , front end software is complete, which is going to run on tablets , 20 % of educational content is complete , we are going for a pilot launch next week , yes the rest of educational content is under development , and bugging test (I don't know what he means by that , he probably means software bug test , which is been tested and rectify during development process) and it has nothing to do with tablet sizing and configuration - The revised Delivery date for first installment (9,000 out of 18,000) is 15th May 2017.</p> <p>2. No</p> <p>3. We have already requested for a sample product, and it will cover the process of verifying the product before accepting the final delivery.</p> <p>4. No</p> <p>5. What the vendor has to do anything with our E-LEARNING APP - the application will be installed by application development vendor into the tablets. I see no reasons why he is interested to know the details which shouldn't concern him – we wont be</p>

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	6. Need to clarify the foreign bidder policy. 7. Required spec is not on going trend of tab industry, it's will be procure exclusively basis.	providing any software to tablet vendor. 6. The said tender is as per SPP Rule # 15 (2) (b) 2010. 7. The specification are designed to cater the our Android based E-learning application existing architecture need and future growth – yes these specification are exclusive as per our need but also generic in nature as these are not lock on any brand or model available in market.
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REVISED SPECIFICATIONS FOR THE CUSTOMIZED ANDROID TABLETS ARE AS UNDER.

Technical Specs for Tablets	
Screen Size	Minimum 8" 16:9
Screen Resolution	Minimum 1280 x 800 TN
Touch Panel	5 point Capacitive
Operating System	Android 5.1.1 or higher
Battery	3.7V/4000mAh Lithium-ion polymer battery
CPU	Minimum Quad core 1.3 GHz or more
GPU	Supported
Photo Viewer	JPG、PNG、BMP、GIF
Video Format	AVI、3GP、MP4、MKV、WEBM
Audio Format	WAV、MP3、AAC、APE、MP2、FLAC
RAM	2GB
ROM	16 GB or more
Camera	5.0MP back camera only
Speaker	8Ω/1W speaker
MIC	Yes
Gravity sensor	Available
GPS	Yes
WIFI	802.11b/g/n
Memory card socket	TF Card - 32GB card - Kingston OR Scandisk Card is required along tablets

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USB interface	USB 2.0 (Micro USB)
Headphone jack	ϕ 3.5mm standard headphone jack
DC connector	Micro USB - HDMI
Keys	POWER/VOL+/VOL-
Operating system version	Andriod 5.1.1 or higher
Language	Multi-language supportive
Power adapter	5V/2A
USB data cable	Connect to PC

Functional Specs for Tablets

Form Factor	Should be standard form factor for 8" tablet
Security	The tablet should come with a custom-designed Operating System that offers restricted access to other non-relevant applications
Safety	Should be supported by child-friendly, shock-resistant casing
Protection	Should come with glass screen protector and flip-cover casing
Warranty	Should offer standard 1 year warranty
Customization	<p>Custom ROM Development Requirement Features Needed</p> <p>Use Should NOT have any pre-built Android applications</p> <p>User Should Not have access to the Google Play Store Another option is that we allow the Play Store app to be available on the device and users may be allowed to run the app and browse the Store but the device doesn't install any app other than the ones that are our applications. This means that the other apps that the user might want to install, may get downloaded on the device but when the device runs and install the app, at that time, the custom OS should stop installation. As a result, users will only be able to download and install our apps from Play Store</p> <p>Tab let to start with our shell / launcher application that only shows the applications we have installed on the tablet. From</p>

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	<p>the home page of the launcher app, the user can only select the apps that are available on the launcher</p> <p>We don't want the user to access Settings app</p> <p>The user shouldn't be able to uninstall our launcher or other applications</p> <p>When connected to a computer, the Android tab shouldn't show the device storage and the user shouldn't be able to install / transfer other apps or any other files into the device</p> <p>When the user inserts a memory card, a script should run which should only look for a designated 'Installer' app that will help the user to install our set of applications</p> <p>The user shouldn't be able to access device's internal storage</p> <p>Required Sind Education Foundation and Government of Sindh logo on BIOS and Printed over the tablet as well</p>
Support Offices	Participating firm should have field offices in at least three offices (excluding Karachi) in Sindh to provide after-sales service

REVISED SCHEDULE OF REQUIREMENT IS AS UNDER.

S.No	Description	Quantity	Delivery Schedule
1	Android Tablets	9,000	15 th May, 2017
2	Android Tablets	9,000	September, 2017

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