

Ref. No.: PS84/TENDER/02/23

Date: 19/1/2024

By Registered Mail

The Manager

Dear Sirs,

INVITATION TO TENDER
TENDER FOR THE SUPPLY/SERVICE of
採購及安裝電子白板(互動觸控顯示屏)

1. You are invited to tender for the supply of the items as specified in the enclosed tender schedule. If you are not prepared to accept a partial order, please state this clearly on the tender schedule.
2. Late tenders will not be accepted. Your tender will remain open for 90 days from the “Closing Date”, and you may consider your tender to be unsuccessful if no order is placed with you within these 90 days. You are requested to note that unless Part II of the tender form is completed, the tender will not be considered.
3. If you are **unable or do not wish** to tender, **please sign and return P.5** of this letter to the school through mail or fax at your earliest convenience.
4. Tenders will be accepted on an *~~‘overall’/‘group’~~ / ‘itemized’ basis.
5. The school and its staff will not accept advantages in any way from suppliers and contractors.
6. Your sealed tender, **in duplicate**, should be clearly marked on the outside envelope:
Tender for the supply / service of 採購及安裝電子白板(互動觸控顯示屏).

The envelope should be addressed to Po Leung Kuk Ho Yuk Ching (1984) College, No.2, Chap Fuk Road, Tseung Kwan O, Kowloon and forwarded to arrive not later than Date: 20 / 2 / 2024
Time: 2:00 p.m. . d / m / yyyy

7. Please be reminded not to identify your company on the envelope. Failure to comply might result in the tender being null and void. You are advised to use our schools’ return envelope to send in your tender.
8. Please be reminded that “The bidder, its employees and agents shall not offer any advantage (as defined in the Prevention of Bribery Ordinance, Cap. 201) to the school employees, SMC/IMC members, or any parent or student representative in a committee responsible for considering any matters in relation to this contract. Any such offer by the bidder or its employees or agent may constitute an offence under the Prevention of Bribery Ordinance and may render the contract null and void. The school may also cancel the contract awarded and hold the bidder liable for any loss or damage the school may sustain.”

Cont’ P.2...

...Cont'

Ref. No.: PS84/TENDER/02/23

9. The Contractor^(see Note) shall require the Contractor Employees to
- declare in the job application form and/or other related documents whether they have been convicted of any criminal offence in Hong Kong or elsewhere, and to provide the details; and
 - undergo the Sexual Conviction Record Check with the Hong Kong Police Force.
 - The Contractor shall seek the consent of the employees to pass the information regarding (a) and (b) to the School for its consideration of the suitability of the Contractor's prospective employees.

Note:

The Contractor shall inform the employees of the following:

- It is obligatory for the employees to provide the information required;
 - Refusing to disclose the required information or intentionally providing false information and/or withholding any material information may render them unsuitable for the post(s);
 - The information provided by the employees is used by the School for the consideration of their suitability for the post(s);
 - Any conviction of criminal offence(s) may not necessarily render them unsuitable for the post(s); and
 - The employees have the right to request for access and correction of the information provided by sending a written request to the Contractor.
10. This letter requires the Principal's signature with pen or ball pen. Principal's chop is invalid.

Yours sincerely,



Signature: _____

Lam Ming Yan
Principal

*Please delete as appropriate

For School use:

- This letter contains:
 - 10 points,
 - with a clause on anti-corruption (Clause 8) &
 - Reply to Tender Invitation & Tender Schedule.

This letter is sent by Registered Mail.

- Teacher for this tender exercise

Name: Yan Kam Shing

Signature: _____

Name of clerk: Yu Yuen Yee

Signature: _____

Ref. No.: PS84/TENDER/02/23

Reply to Tender Invitation

TENDER FORM FOR THE SUPPLY / SERVICE of 採購及安裝電子白板(互動觸控顯示屏)

Name and Address of School Po Leung Kuk Ho Yuk Ching (1984) College, No.2, Chap Fuk Road, Tseung Kwan O, Kowloon.

School Ref. No.(to be entered by school) PS84/TENDER/02/23

Tender Closing Date and Time(to be entered by school) Date: 20 / 2 / 2024

d / m / yyyy

Time: 2:00 p.m.

PART I

The undersigned hereby offers to supply all or any part of the items described in the tender schedule attached with the delivery term quoted therein against the date of a firm order placed by the school at the price or the prices quoted in the tender schedule free of all other charges and in accordance with any drawings and/or specifications provided by the schools. In so doing, the undersigned acknowledges that all items not otherwise specified shall be in accordance with British Standard specifications where such exist; tender shall REMAIN OPEN FOR 90 DAYS after the Closing Date; and the school is not bound to accept the lowest or any tender and reserves the right to accept all or any part of any tender within the period during which the tender remains open.

The undersigned also warrants that his Company's Business Registration and Employees' Compensation Insurance Policy are currently in force and that the items which his Company offers to supply do not to his knowledge infringe any patents.

The undersigned also declares during the 5-year period immediately preceding the tender closing date, it did NOT have the below-mentioned conviction OR three or more demerit points over a rolling period of three years:

- (i) any conviction of the following Ordinances—
 - (a) the Employment Ordinance (Cap.57) and the Employees' Compensation Ordinance (Cap. 282). [convictions in respect of these two Ordinances which individually carry maximum fines corresponding to Level 5 or higher within the meaning of Schedule 8 to the Criminal Procedure Ordinance (Cap. 221) will count];
 - (b) the Immigration Ordinance (Cap. 115). [convictions under Section 17I(1), Cap. 115 (offence to be employer of a person who is not lawfully employable) will count];
 - (c) Section 89, Cap. 221 and Section 41, Cap. 115 (aiding and abetting another person to breach his condition of stay);
 - (d) Section 38A(4), Cap. 115 (offence of the construction site controller if a person not lawfully employable takes employment on a construction site); or
 - (e) the Mandatory Provident Fund Schemes Ordinance (Cap. 485) [convictions under Section 7 (employer to arrange for employees to become Scheme members), Section 7A (employer and relevant employees required to contribute to registered scheme) and section 43E (making false or misleading statement), Cap. 485 will count]; or
- (ii) three or more demerit points under the demerit point system over a rolling period of three years for breaching contractual obligations in respect of wages, daily maximum working hours, signing of standard employment contracts with and wage payment by means of autopay to non-skilled workers employed for the carrying out of the contract with the Government.

The undersigned also hereby declares and undertakes that he shall ensure that his company has not submitted any tender in this purchase together with companies or persons associated with it. If his company has violated the said undertaking, the undersigned understands that all his or such tenders submitted by him shall be treated as void and at the same time the school may put his Company and all the associated companies or persons in the school's blacklist.

PART II
RECONFIRMATION OF TENDER VALIDITY

With reference to Part I of this tender document, it is reconfirmed that the validity of tender offered by this company remains open for 90 days from Date: 20 / 2 / 2024 Time: 2:00 p.m.
d / m / yyyy

The undersigned also agrees to accept the fact that once the validity of tender is reconfirmed, the pre-printed clause specified in the Company's tender forms in regard to this nature shall NOT apply.

PART III
SAFEGUARDING NATIONAL SECURITY

The undersigned acknowledges that notwithstanding anything to the contrary in the tender documents, the school reserves the right to disqualify this company on the grounds that this company has engaged, is engaging, or is reasonably believed to have engaged or be engaging in acts or activities that are likely to cause or constitute the occurrence of offences endangering national security or otherwise the exclusion is necessary in the interest of national security, or is necessary to protect the public interest of Hong Kong, public morals, public order or public safety.

The undersigned also acknowledges that the school may immediately terminate the contract upon the occurrence of any of the following events:

- (a) this company has engaged or is engaging in acts or activities that are likely to cause or constitute the occurrence of offences endangering national security or which would otherwise be contrary to the interest of national security;
- (b) the continued engagement of this company or the continued performance of the contract is contrary to the interest of national security; or
- (c) the school reasonably believes that any of the events mentioned above is about to occur.

Dated this _____ day of _____ 20_____

Signature _____ in the capacity of _____
(State official position, e.g. Director, Manager, Secretary, etc.)

Duly authorized to sign tenders for and on behalf of:-

Whose registered office is situated at _____

_____ Hong Kong

Telephone No. _____ Fax No. _____

Reply Slip

(Email : info@plkhyc1984.edu.hk/ Fax No. 2704 9602)

Ref.: PS84/TENDER/02/23

Date: _____

The Principal

Po Leung Kuk Ho Yuk Ching (1984) College

2 Chap Fuk Road, Hang Hau,

Tseung Kwan O, Kln., Hong Kong

Dear Principal Lam,

Re: Tender for 採購及安裝電子白板(互動觸控顯示屏)

We acknowledge receipt of your Invitation to Tender package.

We have received all of the documents listed in the Invitation to Tender without damage and in usable condition.

However, we **are unable /do not wish** to take part in this tendering exercise.

Yours faithfully,

Signature : _____

Authorized Signature & Company Chop

Name : _____

Title : _____

Name of Company : _____

PO LEUNG KUK HO YUK CHING (1984) COLLEGE
TENDER SCHEDULE (TO BE COMPLETED IN DUPLICATE)

(Columns 4, 5 and 6 to be completed by Tenderer)

(1) Item No.	(2) Description/Specification	(3) Quantity Required	(4) Unit Rate (HK\$)	(5) Total Amount (HK\$)	(6) Delivery Offered
	採購及安裝電子白板(互動觸控顯示屏) 課室位置: 中五 : 309, 502, 503, 504 中六 : 312, 313, 412, 413 一共 8 個課室				
1	(a) Interactive panel (互動觸控顯示屏) <ul style="list-style-type: none"> ● Panel specification <ul style="list-style-type: none"> ■ Panel type: IPS panel ■ Panel Size: 86" (16:9) ■ Resolution: at least 3840 x 2160 ■ Panel response: ≤8ms ■ Backlight: DLED ■ Back light lifetime: ≤50,000hrs ■ Brightness: ≥450nits ■ Contrast: 1,200:1 ● Temper glass <ul style="list-style-type: none"> ■ Hardness: 9H or equivalent ■ anti-glare coating ■ Thickness: ≤ 3.2mm ■ germ resistant: SIAA / TUV ● Android <ul style="list-style-type: none"> ■ CPU: A73x4+A53x4, equivalent or above ■ GPU: G52 MP8, equivalent or above ■ RAM: ≥ 8G ■ ROM: ≥ 32G ■ Android system: ≥ Android 13 , 64 bit ■ Official Google GMS: built in official Google Play with Enterprise Device Licensing Agreement (EDLA) certification ● Sound system <ul style="list-style-type: none"> ■ Built-in speaker: 20W x 2 ■ Built-in Microphone: x8 (array) for recording ● Touch technology <ul style="list-style-type: none"> ■ Touch technology: Infrared touch 	8			

(Columns 4, 5 and 6 to be completed by Tenderer)

(1) Item No.	(2) Description/Specification	(3) Quantity Required	(4) Unit Rate (HK\$)	(5) Total Amount (HK\$)	(6) Delivery Offered
	<ul style="list-style-type: none"> ■ Support system: Windows / Mac OS / Android / Chrome OS / Linux ■ Touch point: ≥40 points ■ Accuracy: ±1.0 mm ■ Touch pen requirement: ≥ 2 mm ■ Touch response time: ≤ 10 ms ● Wi-Fi module <ul style="list-style-type: none"> ■ Wi-Fi Standard: 802.11 a/b/g/n/ac, AC1300 or above, compatible with Wi-Fi 6 ■ Wi-Fi band: Dual Band 2.4GHz / 5GHz ■ Security: WPA-PSK/WPA2-PSK WPA/WPA2/WEP ● I/O <ul style="list-style-type: none"> ■ HDMI 2.0 in x 3 / HDMI 2.0 out x 1 ■ DP in 1.2 x 1 ■ VGA + Audio in x 1 ■ USB-A 3.0 x 5 + USB-A 2.0 x 2 ■ Front USB-C 3.0 x 1 (Display + Touch + 65W charging) ■ Rear USB-C 3.0 x 1 (Data) ■ Giga LAN in x 1 / Giga Lan out x 1 ■ Mic in x 1 / Line out x 1 ■ SPDIF out x 1 ■ OPS slot x 1 ■ NFC sensor x1 ■ Light sensor x1 ■ IR receiver x1 ● Power <ul style="list-style-type: none"> ■ AC100 to 240V, 50 / 60 Hz ● On-Screen Display Languages <ul style="list-style-type: none"> ■ English/Traditional Chinese/Simplified Chinese ● Whiteboard function <ul style="list-style-type: none"> ■ Web cloud whiteboard support up to 49 devices for collaboration writing with control over which student has the right to annotate ■ Link up with Google classroom in web cloud whiteboard and support direct announce to Google classroom ■ Control user device synchronize to panel whiteboard (Cloud whiteboard) ■ Support camera input and playback YouTube link in whiteboard 				

(Columns 4, 5 and 6 to be completed by Tenderer)

(1) Item No.	(2) Description/Specification	(3) Quantity Required	(4) Unit Rate (HK\$)	(5) Total Amount (HK\$)	(6) Delivery Offered
	<ul style="list-style-type: none"> ■ Split screen in whiteboard with Google Map/Chrome/Microsoft Math solver ■ Google translate in Android whiteboard ■ OCR for picture and text to speech ■ Hand recognition ■ Whiteboard app content save in internal storage/USB/ 3rd party cloud/internal cloud ■ Support object grouping, duplicate, preview canvas ■ Can edit the photo and import max 90pages ppt. Support opening .notebook file and save as .iwb even in Android ■ Support operation mode for switch between application easily ■ Bundle with PC Whiteboard software with support opening and editing android whiteboard content ■ Enrich teaching for any subject with colorful pens, shapes, and rulers. ■ import lesson materials(ppt, jpeg, pdf) into the whiteboard session. ■ add more pages when needed. ● Screen mirroring <ul style="list-style-type: none"> ■ Support Window / MacOS / IOS / Android / ChromeOS ■ Support floating window allows user to use software alongside your shared screen. The mirroring window is moveable and scalable which act like PIP function ■ Support Miracast with touch back function ■ Wireless mirror contents of Window/Mac/IOS/Android/Chrome to screen and mirror screen contents to unlimited mobile devices ■ Do Not Disturb mode block further mirroring requests for maximum concentration ■ Moderator mode support host to authorize user for annotation / control the touch panel / change to host ■ Support 4K video mirroring ■ Support OTA function for both host and client software for all platform to keep up to date IOS protocol ■ Smart control over Android system ● <u>3 years Full Warranty</u> 				

(Columns 4, 5 and 6 to be completed by Tenderer)

(1) Item No.	(2) Description/Specification	(3) Quantity Required	(4) Unit Rate (HK\$)	(5) Total Amount (HK\$)	(6) Delivery Offered
1	<p>(b) Software and Central Management system</p> <ul style="list-style-type: none"> ● Account Management system <ul style="list-style-type: none"> ■ Android login system by NFC / scan QR code / onscreen type in ■ Cloud base login system allow accessing Dropbox / Google drive/ OneDrive by login and personalize setting like wallpaper / bookmark / sound level / brightness, etc. in android system ■ Annotation / Doc / recording can save directly to cloud system ■ Able to synchronize with Microsoft AD server or Google Workspace ■ Free lift time cloud base account management console, can assign user / admin / user role by cloud base system to avoid local software installation ■ Admin can lock the panel by AMS cloud, all button and IR will lock till user login ● Device Management system <ul style="list-style-type: none"> ■ Cloud based Display Management Solution control display settings and update firmware and apps through cloud, and generate usage report (Lifetime) ■ Batch install / uninstall apk by cloud base system without any software install in Window ■ Storage cleanup Clear all contents of the default User folder and Downloads folder on all devices ■ Memory and CPU optimization Delete all temporary files and clear the cache of all devices ■ SSID setup Remotely set an SSID for all device ■ App blocking regulate what apps can be used on displays by blocking specific APK ■ Wi-Fi traffic summary Monitor the overall Wi-Fi traffic of all device ■ Link up with android login system for centralize control ■ Remotely monitor and manage your displays settings with DMS Cloud via Internet. ■ On/off scheduling ● Signage broadcast system <ul style="list-style-type: none"> ■ Free cloud-based signage system for content control over unlimited device with grouping function ■ Preset scheduling for any time slot within half year ■ Support broadcast of Text / sound / picture / Microsoft office / 	8			

(Columns 4, 5 and 6 to be completed by Tenderer)

(1) Item No.	(2) Description/Specification	(3) Quantity Required	(4) Unit Rate (HK\$)	(5) Total Amount (HK\$)	(6) Delivery Offered
	<p>YouTube / YouTube live broadcasting</p> <ul style="list-style-type: none"> ■ No software needed to install in PC ■ Assign different role for different user together with account management system for control <p>● Special functions</p> <ul style="list-style-type: none"> ● Split-Window: allow 2 android app run together ● Built in recording function (all drawing / system sound / environment sound) ● Auto save all your file to your Google drive when logout AMS ● Remote control with pointer and spotlight function ● Support OPS OTG to Android memory ● Support Google Assistant by array mic / remote control ● Support auto app start when power on (app can be selected by user) <p>● Bundle software</p> <ul style="list-style-type: none"> ■ Android and PC version whiteboard with same brand which can open and edit in both platform ■ Kahoot! ■ McAfee Antivirus Android version with license 				
1	<p>(c) Accessories</p> <ul style="list-style-type: none"> ■ Hdmi splitter Connects one HDMI source to 2 (or more) HDMI displays at the same time. Supports up to 4K resolution and compatible for 480p, 720p, 1080i, 1080p. ■ Pen x 2 (germ resistant) ■ USB Type C cable (support display) x 1 ■ Remote control x 1 	8			
1	<p>(d) 雙層推拉綠板組合</p> <ul style="list-style-type: none"> ■ 互動觸控顯示屏中心線對準課室中心線 ■ 外框 <p>課室 309, 502, 503, 504 H:1280 x W:6500mm, 總厚約 210mm (x4)</p> <p>課室 312, 412 H:1280 x W:5400mm, 總厚約 210mm (x2)</p> <p>課室 313, 413 H:1280 x W:4700mm, 總厚約 210mm (x2)</p>	8			

(Columns 4, 5 and 6 to be completed by Tenderer)

(1) Item No.	(2) Description/Specification	(3) Quantity Required	(4) Unit Rate (HK\$)	(5) Total Amount (HK\$)	(6) Delivery Offered
	合共 8 套 (可按實際情況修改尺寸，但要得到校方同意) 每套組合： ■ 壁報板 2 件/固定/最右及最左 ■ 搪瓷磁性綠板 2 件/固定/左二及右二 ■ 搪瓷磁性綠板 2 件(雙趟)/移動/外層 ■ 兩層、上下單路軌、重型角碼、共六塊板、移動板定位(x2)、鎖頭(x2，安裝上方頂邊)、粉筆兜 ■ 印圖(x1) ■ 參考圖：附件 1				
1	(e) Installation & Setup ■ 施工期間，須用自備膠帶圍封走廊及樓梯等等。 ■ 安裝綠板組合 ■ 安裝 86" 觸控屏，連牆身掛架 ■ 拆除及清走原有黑板、壁報板 ■ 修補牆身及見光位置補油 (相近顏色) ■ 固定老師檯側櫃 x4 (312, 313, 412 及 413) 側櫃由本校提供，放置於老師檯與牆身之間，線材經側櫃通過。 右：用螺絲(x4)將側櫃收緊到牆身 左：用螺絲(x4)將側櫃收緊到老師檯 ■ 提供及安裝 (i) HDMI 線 (x2) 4K/1080p 線約 7m 1. panel 連接 apple TV, 2. panel 連接 apple Visualiser (ii) HDMI 線(x3) 4K/1080p 線約 2m (splitter 連接 PC, Monitor 及 Visualiser) (iii) USB 3.0 for touch (x1), 線長約 7m, panel 連接 PC (iv) Audio 線(x1)約 3m, panel 連接擴音機 Aux1/2 (v) HDMI x1 + USB x1, 4K/1080p 線約 3m, panel 線連面板 for Notebook 線材連接，參考附件 2 ■ 提供及安裝 2 寸 x 2 寸白色金屬線槽，面蓋配螺絲可裝折，長約 120cm (只供 312, 412 課室，合供 2 套) ■ 提供及安裝所需 PVC 膠喉/膠槽	8			

(Columns 4, 5 and 6 to be completed by Tenderer)

(1) Item No.	(2) Description/Specification	(3) Quantity Required	(4) Unit Rate (HK\$)	(5) Total Amount (HK\$)	(6) Delivery Offered
	<ul style="list-style-type: none"> ■ 現有喇叭、線材、喉管、過路箱及時鐘.....等等，如有需要時，更改位置。 ■ Apple TV 及其保護金屬箱改位，由天花移至老師檯，拆除後再重裝(鑽孔、螺絲絲帽)。 ■ 完工測試、清理垃圾、清潔課室及走廊 ■ 安裝日期：2024年3月23日至2024年8月11日(由校方指定) ■ 安裝時間：14日內完成 				
1	(f) 備註： <ul style="list-style-type: none"> ■ 本校有升降機直達各層 ■ 互動觸控顯示屏：三年 full warranty，包人工及零件 ■ 其他(如無特別指明)：一年 full warranty，包人工及零件 ■ 提供各元件牌子、型號及規格(單張/小冊子) ■ 施工必須遵守勞工處及機電工程處安全標準 ■ 物料、元件及電器必須符合本港法例及安全標準 ■ 必須為所有工作人員購買勞工保險 ■ 必須購買上述工程的第三者責任保險 ■ 附上三個案例及貴公司負責安裝電子白板學校名單(2021至2024) 				
1	投票公司可在下列日期到本校視察場地，以了解有關 item1 項現場環境。 -等候地點：本校食物部 -日期：31/1/2024(星期三) -時間：3:00pm -貴公司可派 1-2 名員工出席。 -請至電本校 2703-7363，找 Annabelle 登記。	Total for Item 1 包括 (a)至(f) 各項	(HK\$)	(HK\$)	
2	Purchase Visualizer (desk top) Specification: -Camera: 1-CMOS 1/2.8" Progressive Scan -Picture per Second: 60 frames (in all resolutions) -Effective Pixel: 4K 3840x2610/1920 x 1080 -Total Pixels of CMOS 13,000,000 -Pixels Processed Per Second: 497,664,000 -Color Reproduction / Precision: sRGB color precision -Native Signal Output: 4K 2160P (3840 x 2160) / 1080P (1920 x 1080) -Converted Output Signals (16:9 and 4:3) 4K 2160P (3840 x 2160) / 1080P (1920 x 1080)	11	(HK\$)	(HK\$)	

(Columns 4, 5 and 6 to be completed by Tenderer)

(1) Item No.	(2) Description/Specification	(3) Quantity Required	(4) Unit Rate (HK\$)	(5) Total Amount (HK\$)	(6) Delivery Offered
	SXGA (1280 x 1024), XGA (1024 x 768) -Resolution (Measured): 1600 TV lines -Image Rotation: 270° -Vertical Image-frequency: 60Hz -Iris: Automatic and manual -White balance adjustment: Automatic and manual Text Enhance: Yes -Zoom / Lens: 220x zoom (22x optical + 10x digital) -Tilt Range of Camera: 180° vertical -Light Source: Long life high frequency LED lighting -Special Working Surface for Transparencies: Yes -Alternative Image Display: Negative -VGA Input / Output Switch: 1x Input & 2x output -Audio Output: Ø3.5/F stereo, 1x Input & 1x output -HDMI: 1x Input & 1x output -USB Port (for USB Camera): 1 (USB Camera/PC) -TF / MicroSD Card Port: 1 (Support up to 32GB) -USB Port for Mouse Control: 1 (Wireless Mouse Included) -Infrared Remote Control: Yes -Power (External Power Pack): Multi range 100-240V -Dimensions: Setup (450mm x 370mm x 500mm) or smaller Folding (482mm x 370mm x 114mm) or smaller -Warranty: 3 years				

Any amendment made should bear a company chop and a signature from an authorized person. The use of correction pen or fluid would render the whole document invalid.

We/I understand that if we/I fail to supply the stores as offered in our/my tender upon accepting school's order, we are/I am prepared to pay the price difference to the school if such stores are obtained from elsewhere.

Name of Tenderer: _____

Signature of Person

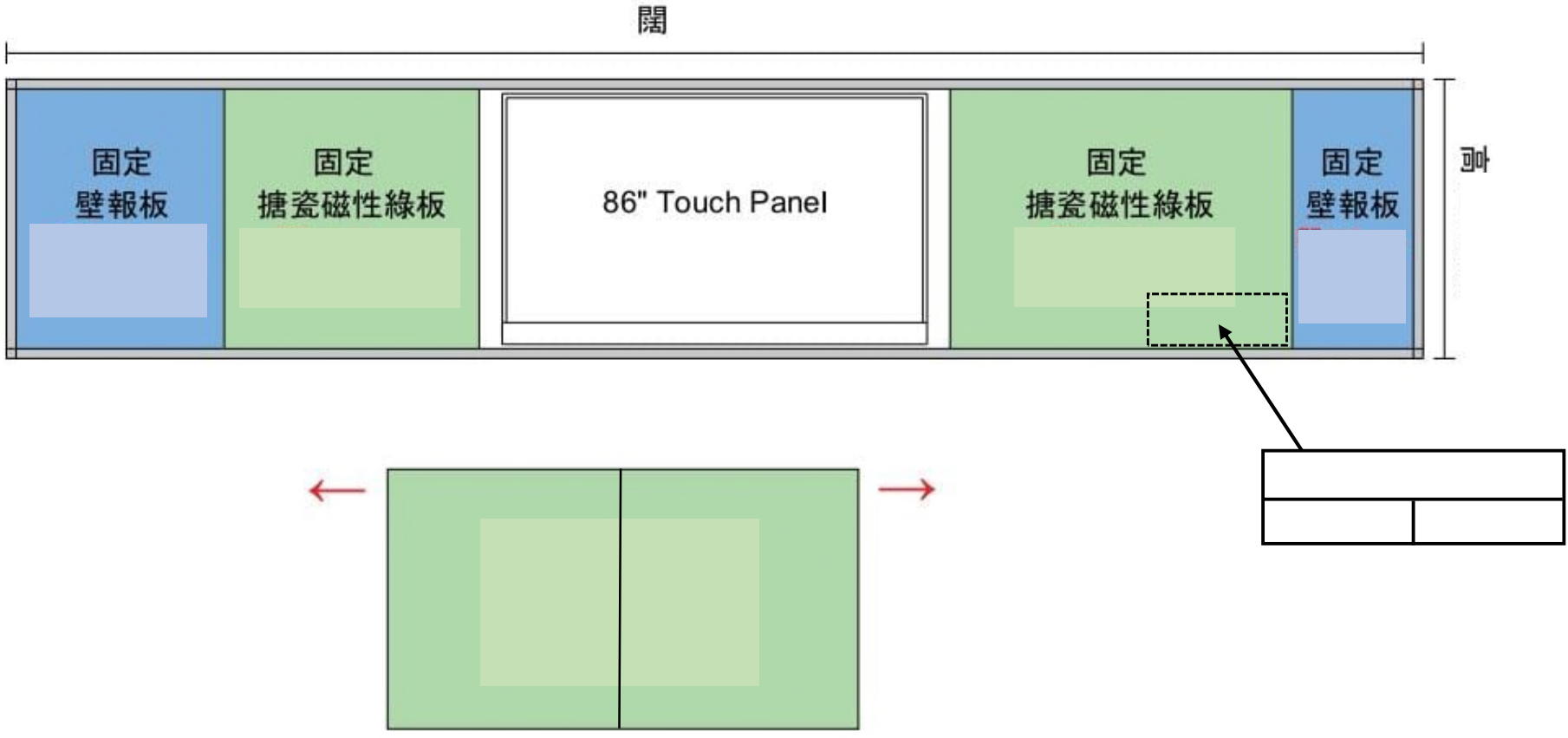
Authorized to sign Tender: _____

Date: _____

d / m / yyyy



附件 1



搪瓷磁性綠板 2 件(雙趟)/移動/外層

附件 2 (Wiring Diagram / Date: Jan, 2024)

