

交通部 111 年招商大會參展機關提報案件(採購案件)

臺灣鐵路管理局－環島自動電話系統更新工程採購案

Taiwan Railway Administration- Round Island Automatic Telephone System Renewal Project

Procurement Case

項目 Item	內容 Contents
1.計畫內容概述 Project Overview	<p>本計畫規劃將電子交換機更新為網路交換機設備 (IP PBX)，IP PBX 具有電子交換機的功能，但既有架構傳輸鏈路採「E1 專線」，規劃改以乙太網路或「E1 專線」方式傳輸，且自動電話系統藉由 IP-MPLS 網路架構提升系統頻寬及使用效率。當後續門號數不足時，IP PBX 可依實際需要擴充授權碼及介面卡，相較於電子交換機減少銅纜佈線需求，擴充容易。</p> <p>This project plans to update the electronic switch to a network switch equipment (IP PBX). IP PBX has the function of electronic switch, but the transmission link of the existing structure adopts "E1 dedicated line", and it is planned to use Ethernet or "E1 dedicated line" mode transmission, and the automatic telephone system improves the system bandwidth and utilization efficiency through the IP-MPLS network architecture. When the number of subsequent door numbers is insufficient, the IP PBX can expand the authorization code and interface card according to actual needs. Compared with electronic switches, it reduces the need for copper wiring and is easy to expand.</p>
2.公共建設類別 Project Sector	<p>交通及建設(鐵路)</p> <p>Traffic and construction (railway)</p>
3.辦理方式 Models of Private Participation	<p>公開招標</p> <p>Open tender</p>
4.主辦機關 Authority-in-Charge	<p>交通部臺灣鐵路管理局</p> <p>Taiwan Railway Administration, Ministry of Transportation and Communications.</p>
5.案件規模(億元) Total Amount of Project (NTD)	<p>預估新臺幣 2 億 8,000 萬元</p> <p>Estimated of NTD 0.28 billion</p>

項目 Item	內容 Contents
6.計畫依據或其它涉及法規 Related Laws and Regulations	政府採購法 Government Procurement Act
7.目前辦理/規劃階段 Current Status	委託規劃設計 entrusted planning and design
8.規劃辦理期程 Schedule	1.公告招標作業(112.06) Open tender work (06/2023) 2.決標(112.08) To choose the appropriate bid or tender (08/2023) 3 開工(112.08) Construction starts (08/2023) 4 完工(114.07) Construction completion (07/2025)
9.是否禁止或限制外商申請 Applicability of Foreign Investment	依政府採購法禁止或限制外商申請 In accordance with Government Procurement Act, applicability of Foreign Investment is for bid or limited
10.是否禁止或限制陸資申請 Applicability of Mainland Capital Investment	依政府採購法禁止或限制陸資申請 In accordance with Government Procurement Act, applicability of Mainland Capital Investment is forbidden or limited
11.是否適用相關稅獎勵及法令依據 Tax Preferences and Legal basis	無 None
12.相關圖片 Related Pictures (Such as Location Maps, Planning Diagrams)	<u>新設網路交換機自動電話系統架構示意圖</u> <u>Schematic diagram of the new network switch automatic telephone system</u>

項目 Item	內容 Contents
	<p>光纖傳輸網路</p> <p>自動電話交換機網路</p> <p>以太網路</p> <p>VoIP 閘道器</p> <p>IP PRX</p> <p>以宜蘭端局及花蓮中心局建置範圍為例</p>
13.其他補充資料 Supplementary Information	無 None
14.預期效益 Expected Benefits	維修及備品取得方便，減少後續維修人力、物力成本。 Easy access to maintenance and spare parts, reducing labor and material costs for follow-up maintenance.
15.主辦機關聯絡窗口 Contact of Authority-in-Charge	單位名稱：交通部臺灣鐵路管理局電務處 Authority: Electricity Office, Taiwan Railway Administration, MOTC. 聯絡人：助理工程員 范仲華 Contact Person: Engineering Assistant, Fan Zhong-Hua 電話：02-23815226#3216 Tel: 886-2-23815226#3216 傳真：02-23815226#2001 Fax: 886-2-23815226#2001 電子信箱:7010954@railway.gov.tw Email: 7010954@railway.gov.tw