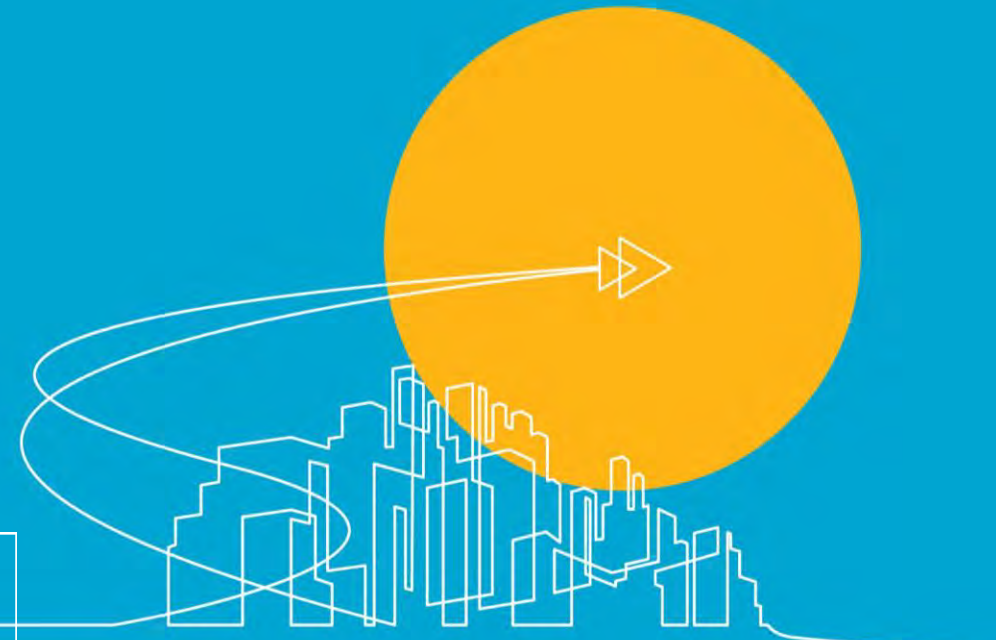


# Merit Point Evaluation for Science and Technology Human Resource Development Project Faculty Building Design-Build Contracts Sri Lanka

**Ryotaro Hayashi**  
**Social Sector Economist**  
**Human and Social Development Division**  
**South Asia Department, ADB**

*The views expressed in this material are the views of the author/s and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy of the data included in this presentation and accepts no responsibility for any consequence of their use. The countries listed in this presentation do not imply any view on ADB's part as to sovereignty or independent status or necessarily conform to ADB's terminology.*



# STHRDP

# Science and Technology Human Resource Development Project

<p><u>Financing</u> US\$165M (Total) US\$145M (ADB)</p>	<p><u>Approval</u> Aug 2018</p>	<p><u>Closing</u> Jun 2024</p>	<p><u>Executing Agency</u> Ministry of Education</p>	<p><u>Implementing Agency</u> Four universities (KU, RUSL, SUSL and SJP)</p>	<p><u>ADB Project Officer</u> Ryotaro Hayashi</p>
-----------------------------------------------------------------	-------------------------------------	------------------------------------	----------------------------------------------------------	----------------------------------------------------------------------------------	-------------------------------------------------------

<p><b>Outcome</b></p>	<p><b>Access to employment-oriented higher technology education improved</b></p>				
-----------------------	----------------------------------------------------------------------------------	--	--	--	--

<p><b>Output 1</b></p>	<p>Innovative technology learning and research environment established</p>	<p><b>Output 2</b></p>	<p>Quality and industry-relevant higher technology education programs implemented</p>
------------------------	----------------------------------------------------------------------------	------------------------	---------------------------------------------------------------------------------------

<p><b>Output 3</b></p>	<p>Industry linkages and international collaborations strengthened</p>	<p><b>Outputs 4 &amp; 5</b></p>	<p>Faculty management capacity strengthened New higher education project preparation supported.</p>
------------------------	------------------------------------------------------------------------	---------------------------------	---------------------------------------------------------------------------------------------------------

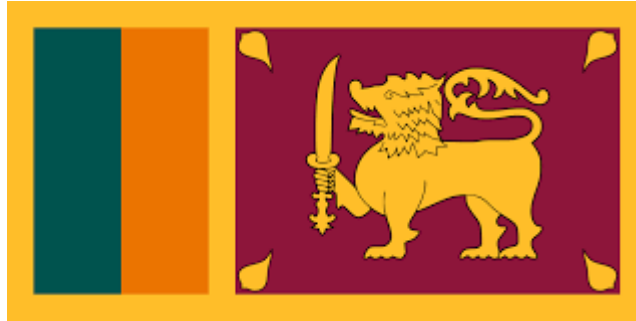
<p><b>Project Feature 1</b></p>	<p>Supporting establishment of technology faculty and engineering faculty in Sri Lanka.</p>				
---------------------------------	---------------------------------------------------------------------------------------------	--	--	--	--

<p><b>Project Feature 2</b></p>	<p>Introducing competitive research grant for industry linkage and international university partnership.</p>				
---------------------------------	--------------------------------------------------------------------------------------------------------------	--	--	--	--

<p><b>Project Feature 3</b></p>	<p>Developing academic infrastructure through design-build with scoring method.</p>				
---------------------------------	-------------------------------------------------------------------------------------	--	--	--	--

- ❖ Rajarata
- ❖ Kelaniya
- ❖ Sri Jayewardenepura
- ❖ Sabaragamuwa





- Local practice for merit point evaluation on technical proposals.
- Design-build contract is more suitable for constructing new academic buildings, and merit-point evaluation fits into well (esp, design)
- New ADB Procurement Framework launched in a timely manner during discussion.



1

**Minimum Qualification Criteria:**

Eligibility/ Historical Performance / Pending Litigation,  
Financial Performance, AACT, Contractual/Key Experiences

2

**Technical Mandatory Requirements (ISO 9001)**

3

**Technical Score** (minimum 70 out of 100, Sub criteria minimum)

1S2E : Financial proposals of technically responsive bids are opened.

4

**Financial Score**

5

**Highest Total Score : Most Advantageous Bid**

<b>Company</b> (Total 20, Min 10)	<b>Experience</b> (Total 10, Min 5)	Design contract experience for education facilities Design or const. experience of buildings certified as green building Awards for construction of similar projects
	<b>Staff</b> (Total 10, Min 5)	Full time technical staff Key Staff CVs
<b>Technical Proposal</b> (Total 80, Min 40)	<b>Design Approach</b> (Total 58, Min 32)	Master Plan (Total 10, Min 5)
		Building Related (Total 48, Min 27) <ul style="list-style-type: none"> <li>• Green SL or equivalent (Total 4, Min 2)</li> <li>• Blue Green UDA (Total 4, Min 2)</li> <li>• Design – aesthetic appeal (Total 11, Min 5)</li> <li>• Functionality (Total 24, Min 15)</li> <li>• Innovation (Total 5, Min 3)</li> </ul>
	<b>Ancillary</b> (Total 15, Min 5)	Sewerage treatment and wastewater plant (T3, M1), chemical treatment (T2, M1), security measures (T2, M1), Interconnectivity (T2, M1), walkability/internal circulation (T4, M1)
	<b>Quantative</b> (Total 7, Min 3)	Work plan and schedule (Total 3, Min 2)
		Building Energy Index (Total 4, Min 1)

*Total Score*

$$= S_t \times W_t + F_m/F \times 100 \times W_f$$

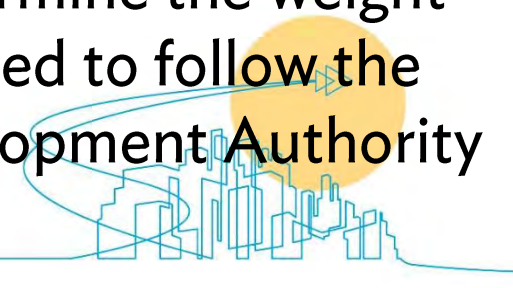
Technical  
( $W_t$ )

Financial  
( $W_f$ )

*PMU, ADB and consultants agreed to set high technical ratio but...*

Idea	60%-80%	20%-40%
Actual	25%	75%

- ✓ The government needed to find the basis to determine the weight to approve the bid documents. Finally, they decided to follow the guidelines issued by Construction Industry Development Authority (CIDA) in Sri Lanka.



## Detailed Evaluation Guide

### Example: Aesthetic Appeal

- a) The architectural design excellence in terms of proportionality, good use of design language and appropriate scale.
- b) Good sense of approach and reflective of the need for the university vision to be a landmark. Take into consideration of local context and surroundings.
- c) Sensible use of materials which are not overly expensive but still portray good architecture, contemporary sensibilities and promote sustainable design.

## Expert Panel

### Set up

- The university responsible officials + international and national experts from the consulting firms
- Required to sign the declaration form of:
  - No conflict of interests with the bidders
  - Keep confidentiality

### Requirements

- Will submit the Panel Reports: scoring sheet and description of the scoring (explaining the reasoning of each scoring) with signature of all members to TEC.



- |   |                  |                                                         |
|---|------------------|---------------------------------------------------------|
| 1 | Weight           | Align with local procurement practice/requirements      |
| 2 | Evaluation Guide | Detailed guide of how to score is agreed in advance     |
| 3 | Expert Panel     | Involve internationally reputable consultants (lumpsum) |

Hope this will be helpful. Thank you for your attention!

