

7.2.1 Job Dashboards

Senior Quantity Surveyor/Senior Contracts Manager/Senior Cost Manager

Megatrends impacting the Job Role in Short to Medium-Term

COVID-19	Multi-Skilling	Sustainable Construction/Buildings	Value Chain Aggregation & Integration	Workforce Challenges
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Technology Trends impacting the Job Role in Short to Medium-Term

BIM Technology	Data Analytics & AI	Digital Twin	Remote Monitoring
RPA	5G, IoT & Smart Buildings	Modular Construction	

Impact Assessment

M

MEDIUM

degree of change in tasks

Today

This job role is responsible for analysing measurements and reviewing tender documents. Job holders implement procurement strategies, review cost estimates and cash flow forecasts, and manage the complete post-contract administration processes.

In the Future

This job role may **leverage technology** in delivering more accurate and efficient outcomes for analysis and review of measurements, tender documentation and cost estimates. Job holders may need **familiarity and understanding of the utilisation and application of technology** so as to **leverage data insights to better support delivery** of customers' and/or project objectives through resource planning, cost monitoring and profitability, in lieu of **growing digitalisation and sustainability trends**, and may see continued **focus on communication and collaboration tasks** amongst multiple stakeholders.

Job Tasks Today	Impact at Task-level / Future view of Job Tasks		Time Horizon
Analyse measurements and tender documentation	M	Job holders will continue to use BIM models in performing analysis and validation of cost plans and reviewing technical specifications. Job holders may need capabilities in adjusting models to ensure robust analysis and validation outcomes .	Short-term
Review cost planning and control	L	Job holders will continue to review cost planning and control outcomes, and may need capabilities to perform the review process using digital tools and platforms .	Short-term
	M	Job holders will continue to review accuracy of life-cycle costing in line with latest trends and regulations , and advise stakeholders on alternative designs and construction methods .	Short-term
Review tenders and implement procurement strategies	L	Job holders may need an understanding of smart contracting technology (e.g., Blockchain) to implement procurement strategies .	Long-term

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Job Tasks Today	Impact at Task-level / Future view of Job Tasks		Time Horizon
Review and evaluate post-contract administration	M	<ul style="list-style-type: none"> Job holders will continue to review post-contract administration components, and will need to be able to interpret data insights so as to advise on payment regimes and perform claims analysis on behalf of relevant parties. Job holders may need to be aware of and evaluate a wider scope of considerations (e.g., supply chain disruptions) in conducting contractual risk evaluations. 	Short-term
Conducting tendering and estimation	M	<ul style="list-style-type: none"> Technology (e.g., RPA) can automate compilation of tasks and perform reporting and preliminary analysis of tenders received. Job holders will need to shift focus to management of cost adjustment exercises and negotiations with shortlisted tenderers. 	Short-term
Review and liaise with stakeholders on construction cost and resource procurement*	M	<ul style="list-style-type: none"> Job holders may leverage and apply digital tools (e.g., Data Analytics) in the formulation of data-driven resource plans and programmes, and to advise relevant stakeholders on matters of cost, contractual implications and progress during the period of works. Job holders may need to be aware of latest trends in alternative methods of design and construction to apply in formulation of resource planning and programmes and advise on resource procurement. 	Short-term

The following TSCs/CCSs have been identified as in-demand/emerging for the job role going forward:

In-demand Technical Skills and Competencies		
Construction Technology	Contract Administration and Management	Critical Thinking
Data Collection and Analysis	Life Cycle Costing and Analysis	People Management
Procurement Coordination and Policy Development	Stakeholder Management	Technology Application
Technology Scanning	Value Engineering	
Emerging Technical Skills and Competencies		
Artificial Intelligence Application	Green Building Strategy Implementation	Programming and Coding
Regulatory and Submission Clearance		
Emerging Critical Core Skills		
Digital Fluency	Transdisciplinary Thinking	

* Only applicable to Contracting Quantity Surveyor