

Impact of Procurement Strategy & Planning on Procurement Performance with Moderating role of IT; An empirical study from Oil and Gas Industry in Pakistan.



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Dedication

*This Research Study is dedicated to my family
and teachers.*

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There is no God but Allah and Muhammad (peace be upon him) is his messenger. I am solely obliged to Allah almighty for his blessings, my efforts were nothing, but his blessings enabled me to complete this project.

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ABSTRACT

This study investigates the impact of procurement strategy & planning on procurement performance with moderating role of IT. This study has considered procurement strategy, procurement planning, procurement performance review and e-contracting as independent variables, information technology as moderating variable, and procurement performance as dependent variable. However, oil and gas industry in Pakistan were the sector chosen to investigate the relationship between variables mentioned above. Quantitative research method was used as primary data collected through adaptive structured questionnaire based on 5 Likert scale. The responses have been recorded from 303 respondents (government and private employees) working in oil and gas industry in Pakistan. Responses recorded was analyzed through statistical instruments such as correlation and regression by using SPSS Software. The results indicate that procurement strategy, procurement planning, procurement performance review and e-contracting positively impacts procurement performance in oil and gas industry in Pakistan. However, moderation analysis has revealed that information technology positively moderates the relationship between procurement strategy, procurement planning, procurement performance review and e-contracting (independent variables) and procurement performance (dependent variable) in oil and gas industry in Pakistan.

Key Words: Procurement Strategy, Procurement Planning, Procurement Performance Review, E-Contracting, Information Technology, Procurement Performance, etc.

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Abbreviations

AI	Artificial Intelligence
APS	Advanced Planning Systems
BD	Big Data
BDA	Big Data Analytics
CDUs	Crude Distillation units
CMS	Contract Management System
DSSs	Decision Support Systems
EDI	Electronic Data Interchange
ERP	Enterprise Resource Planning
ETA	Estimated Time Arrival
ETS	Estimated Time Shipping
ES	Emergency Sourcing
GDP	Gross Domestic Product
GR	Good Receipt
GSCM	Green Supply Chain Management
ICT	Information Communication Technologies
IT	Information Technology
LMI	Logistics Management Institute
MINLP	Mixed Integer Non-Linear Programming
ML	Machine Learning
PMSs	Performance Measurement Systems
PP	Procurement Performance
PP	Procurement Planning
PPR	Procurement Performance Review
PR	Procurement Review
PS	Procurement Strategy
RFQ	Request for Quotations
SCM	Supply Chain Management
SOIP	Sales and Operations Integrated Planning

SRM	Supplier Relationship Management
SS	Sourcing Strategies
SSCM	Sustainability Supply Chain Management
TAN	Total Acid number