

## SUMMARY

This proposal has been prepared in response to a request (RFP#6: Appendix-A) from the Saudi Telecom Company (STC) to conduct a study entitled “*Estimation and Cancellation of Impulsive Noise in DSL Lines.*” This study will review in detail the problem of impulsive noise and its effects on DSL systems. An algorithm will be developed using convex optimization technique to detect impulsive noise, estimate it and then eliminate it from the DSL signal.

The study will be completed within nine calendar months after signing the contract at a lump sum cost of SR 400,000 (Four Hundred Thousand Saudi Riyals only).