

Estimated expenditure for 2005/06 and split of contract costs

1. 2005/06 expenditure estimate

A breakdown of the total budget required in 2005/06 to complete the construction of Opahu Stream pumping station and associated works and other design commitments are given below.

| Description of item | Amount |
|---|------------------|
| GWRC direct costs of civil works contract including a contingency of \$71,797 | \$897,278 |
| Supply of box culvert units, separate contract between GWRC and Humes | \$98,140 |
| Contract supervision (TCB/Opus) | \$20,500 |
| Additional contingency on works and supervision | \$50,000 |
| GWRC contribution towards the pumping station | \$495,000 |
| Opus professional services costs in completing the Ava Rail stopbank design (contract 3065) | \$90,000 |
| GWRC staff costs including costs of Gary Williams for design review | \$35,000 |
| Total | 1,685,918 |
| Expenditure from July to October 05 | \$60,068 |
| Total budget requirement for 2005/06 | 1,745,986 |

2. Opahu Stream pumping station - Cost share between GWRC and HCC

The following table shows a breakdown of the estimated cost and the preferred tender price for the Opahu Stream pumping station contract. Direct costs to HCC and GWRC are also shown for each item. In addition to GWRC direct costs shown in the table, a contribution of \$495,000 has to be made in accord with the agreement between HCC and GWRC.

| Item | Estimate | | | Preferred Tender | | |
|--------------------------------------|------------------|------------------|----------------|------------------|------------------|----------------|
| | Total | HCC | GWRC | Total | HCC | GWRC |
| Preliminary & general | 40,000 | 23000 | 17000 | 92500 | 59294 | 33206 |
| Pumping station & culvert entry | 899,560 | 899,560 | | 1,333,375 | 1,333,375 | |
| Culvert extension & outlet structure | 192,215 | 65,707 | 126,508 | 231,700 | 81,350 | 150,350 |
| Stopbank & discharge channel | 640,165 | | 640,165 | 641,925 | | 641,925 |
| Contingencies | 200,000 | 112,000 | 88,000 | 200,000 | 128,203 | 71,797 |
| Total | 1,971,940 | 1,100,267 | 871,673 | 2,499,500 | 1,602,222 | 897,278 |

The preferred tender price (also the lowest) is about 26% higher than the Engineer's estimate. This increase is mainly in the HCC funded pumping station civil works. The relevant increase in GWRC direct costs is about 3%.

The total GWRC cost of this civil works contract will be \$1,392,278 consisting of:

| | |
|--|-----------|
| Costs of works directly funded by GWRC | \$897,278 |
| GWRC contribution | \$495,000 |

3. Contract works supervision and progress payments

Joint GWRC/HCC project team has agreed to appoint TCB to manage this contract. Opus International Consultants Ltd (Opus) will assist TCB in supervising stopbank and rock protection works. The total estimated cost of contract supervision is \$20,500. This includes;

| | |
|---------------------------------|----------|
| Contract management by TCB | \$7,500 |
| Construction monitoring by Opus | \$13,500 |

TCB will prepare separate payment certificates for HCC and GWRC direct cost items. Opus will check and confirm quantities of GWRC items. Geoff Dick, Manager, Flood Protection will approve GWRC payments.