

KINGSTON FOSSIL PLANT  
KIF/06047/STG 1 GYP POND  
PHASE 2 APPROVAL COST ESTIMATE

Project name KIF/06047/STG 1 GYP POND

Estimator C. L. Toney

Labor rate table KIF 40 2005

Equipment rate table TVA Equipment

Project Earthwork

Plant KIF

Estimate # 06047

PCN # KIF/60

Requesting Engr S. M. Haber

Option 0

Revision 2

Phase Preliminary

Estimate Type +/- 20%

Estimate Accuracy 11/2/2005

Est. Issue Date

Funding Type Capital

Notes

Cost estimate is based in 2008 dollars.

Short Term Storage. Construction earthwork portion of estimate provided by HED. Remainder provided by ESS Group.

Report format Sorted by Location/Activity  
Detail summary

| Location                                 | Activity         | Description  | Takeoff Quantity | Units                   | Labo Productivity | Labor Quantity | Labor Amount | Material Amount | Sub Amount | Equip Amount | Other Amount | Total Cost/Unit | Total Amount |         |
|--|------------------|--|------------------|-------------------------|-------------------|----------------|--------------|-----------------|------------|--------------|--------------|-----------------|--------------|---------|
| PHASE 3 (BOP)                            | 17-Pumps & Pipe  | 100 HP Submersible Pump For Phase 1 Stormwater Pond    | 1.00 ea          |                         | 84.00             | 84.00          | 2,937        | 60,000          | -          | 306          | -            | 83,244.70       | 83,245       |         |
|  |                  | Structural Excavation For 18" Diameter Pipe (2,000 lf) | 3,280.00 cy      |                         | 0.200             | 656.00         | 19,311       | 6,150           | -          | 8,150        | -            | 7.50            | 24,481       |         |
|  |                  | Bottom Ash Pipe Bedding                                | 112.00 cy        |                         | 0.500             | 56.00          | 1,614        | 574             | -          | 574          | -            | 18.65           | 2,088        |         |
|  |                  | 18" Diameter Discharge HDPE Pipe, SDR11                | 2,000.00 lf      |                         | 0.325             | 650.40         | 19,976       | 9,080           | 92,484     | -            | 9,080        | -               | 60.77        | 121,539 |
|  |                  | Structural Backfill For 18" Diameter Pipe (2,000 lf)   | 3,014.00 cy      |                         | 0.320             | 964.48         | 24,126       | 23,398          | -          | -            | 23,398       | -               | 15.77        | 47,527  |
|  |                  | Platforms Steel  | 300.00 mh        |                         | 80.000            | 300.00         | 10,807       | 2,376           | 26,250     | -            | 2,376        | -               | 7,742.43     | 38,712  |
|  |                  | 17-Pumps & Pipe  |                  | 5.00 ton                |                   | 80.000         | 2,706.88     | 74,855          | 175,734    | -            | 43,885       | -               | 19,643.28    | 297,572 |
|  |                  | 18-Electrical  |                  | 1.00 lb                 |                   | 120.000        | 120.00       | 4,193           | 12,000     | -            | 450          | -               | 19,643.28    | 19,643  |
|  |                  |  |                  | 40,600 Volt Cable       | 200.00 lf         |                | 0.100        | 20.00           | 708        | 2,200        | -            | -               | 14.54        | 2,908   |
|  |                  |  |                  | 3" Diameter GRC Conduit | 200.00 lf         |                | 0.819        | 163.80          | 4,353      | 8,140        | -            | -               | 62.62        | 12,523  |
| PHASE 3 (HED)                            | HED Installation | 18-Electrical  | 1.00 ea          |                         | 12.000            | 12.00          | 425          | 1,500           | -          | 450          | -            | 1,924.86        | 1,925        |         |
|  |                  | xConst Facilities                                      |                  | 1.00 lb                 | 207.863           | 207.89         | 5,900        | 23,840          | -          | 3,100        | -            | 9,000.00        | 9,000        |         |
|  |                  | xConst Facilities                                      |                  | 207.89 hrs              |                   | 207.89         | 5,900        | -               | -          | 3,100        | -            | 9,000.00        | 9,000        |         |
|  |                  | 2Non-Manual  |                  | 1.00 lb                 | 383.000           | 383.00         | 19,150       | -               | -          | -            | -            | 18,150.00       | 18,150       |         |
|  |                  | Phase 3 Non Manual                                     |                  | 383.00 hrs              |                   | 383.00         | 19,150       | -               | -          | -            | -            | 18,150.00       | 18,150       |         |
|  |                  | 2Non-Manual  |                  | 383.00 hrs              |                   | 383.00         | 19,150       | -               | -          | -            | -            | 18,150.00       | 18,150       |         |
|  |                  | PHASE 3 (BOP)  |                  | 3,573.57 hrs            |                   | 3,573.57       | 109,712      | 202,574         | -          | 47,435       | -            | 359,722         | 359,722      |         |
|  |                  | Construction Labor                                     |                  | 1.00 lb                 | 93,772.000        | 93,772.00      | 3,602,456    | -               | -          | -            | -            | 3,602,456.00    | 3,602,456    |         |
|  |                  | Non Manual Labor                                       |                  | 1.00 lb                 | 7,200.000         | 7,200.00       | 327,600      | -               | -          | -            | -            | 327,600.00      | 327,600      |         |
|  |                  | TVA-HED Subcontracts                                   |                  | 1.00 lb                 | -                 | -              | -            | 340,600         | -          | 340,600      | -            | -               | 340,600.00   | 340,600 |
| Partner Purchased Material               |                  | 1.00 lb  | -                | -                       | -                 | -              | 754,510      | -               | -          | -            | 754,510.00   | 754,510         |              |         |
| Construction Heavy Equipment             |                  | 1.00 lb  | -                | -                       | -                 | -              | -            | -               | 1,859,192  | -            | 1,859,192.00 | 1,859,192       |              |         |
| Small Tools                              |                  | 1.00 lb  | -                | -                       | -                 | -              | -            | -               | 9,377      | -            | 9,377.00     | 9,377           |              |         |
| Supplies, Consumables & Expendable Tools |                  | 1.00 lb  | -                | -                       | -                 | -              | -            | -               | 28,431     | -            | 28,431.00    | 28,431          |              |         |
| TVA-HED - Central Command                |                  | 1.00 lb  | -                | -                       | -                 | -              | -            | -               | 502,517    | -            | 502,517.00   | 502,517         |              |         |
| HED Installation                         |                  | 1.00 lb  | 100,972.000      | 100,972.00              | 3,930,056         | 754,510        | 340,600      | 340,600         | 1,859,192  | -            | 540,025      | 7,424,383       |              |         |
| PHASE 3 (HED)                            |                  | 100,972.00 hrs   |                  | 100,972.00              | 3,930,056         | 754,510        | 340,600      | 340,600         | 1,859,192  | -            | 540,025      | 7,424,383       |              |         |

