**BUDGET**

The budget presented below is only an approximate estimate. The actual cost for the whole mission may vary as the mission progresses.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **No.s** | **ITEM** | **PRICE EACH** | **TOTAL** |
| **COMMUNICATIONS** |
|  |  | Research/Design | $ 10,000.00 | $ 10,000.00 |
|  | 1 | 10 m deployable space antenna | $ 1,000,000.00 | $ 1,000,000.00 |
|  | 1 | 20 m dish antennas on Earth | $ 50,000.00 | $ 50,000.00 |
|  | 2 | Modulator/Demodulator | $ 5,000.00 | $ 5,000.00 |
|  | 1 | Turbo Encoder | $ 5,000.00 | $ 5,000.00 |
|  | 1 | Turbo Decoder | $ 25,000.00 | $ 25,000.00 |
|  |  |  |  |  |
| **LAUNCH - Delta IV heavy payload rocket** |
|  |  | Construction | $500,000,000.00 | $500,000,000.00 |
|  |  | Launch cost | $250,000,000.00 | $250,000,000.00 |
|  |  |  |  |  |
| **PROPULSION** |
|  |  | Research/Design | $2,000,000,000.00 | $2,000,000,000.00 |
|  |  | Propulsion system | $5,000,000,000.00 | $5,000,000,000.00 |
|  |  |  |  |  |
| **POWER SYSTEM** |
|  |  | Research/Design | $10,000,000.00 | $10,000,000.00 |
|  | 1 | Nuclear Reactor | $1,000,000,000.00 | $1,000,000,000.00 |
|  |  |  |  |  |
| **TESTING AND INTEGRATING** |
|  |  | Testing & Integrating various components | $ 4,000,000.00 | $ 4,000,000.00 |
|  |  |  |  |  |
| **OTHER HARDWARE** |
|  | 1 | Camera system ( with space hardening mechanism) | $ 15,000.00 | $ 15,000.00 |
|  | 5 | Computers | $ 10,000.00 | $ 50,000.00 |
|  |  |  |  |  |
| **SPACE HARDENING** |
|  |  | Heating/Cooling Systems, Lourves etc | $ 500,000.00 | $ 500,000.00 |
|  |  |  |  |  |
| **SUPPLIES AND LABOUR** |
|  |  | Additional wires, Bolts, Raw Materials, etc. | $ 100,000.00 | $ 100,000.00 |
|  |  | Labor | $ 5,000,000.00 | $ 5,000,000.00 |
|  |  |  |  |  |
| **ON SITE FACILITIES** |
|  |  | Miscellaneous | $ 70,000.00 | $ 70,000.00 |
|  |  |  |  |  |