

Table Cost involved in development of the device

| Sl. No. | Components | Price (₹) |
|---------|--|-----------|
| 1. | Microcontroller | 500 |
| 2. | AS7263 Spectral sensor | 2775 |
| 3. | 20×4 LCD display with I ² C interface | 399 |
| 4. | Charge level indicator | 150 |
| 5. | LM2596 Buck converter | 60 |
| 6. | Ultrasonic sensor | 120 |
| 7. | 12 V rechargeable battery pack | 400 |
| 8. | Push button | 10 |
| 9. | Switch | 5 |
| 10. | 12 V DC female socket | 5 |
| 11. | 12 V 2 A battery charger | 200 |
| 12. | 3×4 matrix membrane keypad | 120 |
| | Components cost | 4744 |
| | Surcharge (@ 10%) | 474 |
| | Total cost | 5218 |