**Technical Specifications and Trial Directives of Flashlight (High beam)**

| SN. | Technical Specifications | Trial Directives |
|---|---|---|
| 1. | Brightness – At least 1000 Lumens | BOO to check and verify the parameter through lab test report from Govt./NABL-accredited labs. |
| 2. | Beam distance-at least 200 mtr, allowing fire fighters to see far into dark and smoky environment | BOO to physically check and verify the parameter through OEM certificate. |
| 3. | Run time- at least 2 hrs. on high beam | BOO to physically check and verify the parameter through OEM certificate. |
| 4. | Battery life- at least 15 hrs of continuous use on single charge | BOO to physically check and verify the parameter through OEM certificate. |
| 5. | Size & weight- compact & light weight (not more than 700 gm) | BOO to physically check and verify the weight. |
| 6. | Should also have a tail switch, which makes it easy to operate while wearing gloves. | BOO to physically check and verify the parameter. |
| 7. | Should be heat resistant and shock proof | BOO to check and verify the parameter through OEM certificate. |
| 8. | Water proof and dust proof IP-67 | BOO to check and verify the parameter through lab test report from Govt./NABL-accredited labs. |
| 9. | Charging Time: less than 6 hours | BOO to physically check and verify the parameter through lab test report from Govt./NABL-accredited labs. |
| 10. | Battery Type: Rechargeable Lithium Ion Battery | BOO to check and verify the parameter through OEM certificate. |
| 11. | Battery life expectancy-at least 1500 cycles | BOO to check and verify the parameter through OEM certificate. |
| 12. | Adjustable focus | BOO to physically check and verify. |
| 13. | Should be made of durable material such as aluminium or rubber | BOO to check and verify the parameter through OEM certificate. |
| 14. | Strobe or SOS feature to signal for help in emergency situations | BOO to physical check and verify. |
| 15. | Non slip grip | BOO to physically check and verify the parameter. |
| 16. | LED technology ( LED life-100000 hrs or more) | BOO to check and verify the parameter through OEM certificate. |
| 17. | Warranty –2 year | BOO to check and verify the parameter through undertaking provided by firm/OEM. |