

### In-Process QC Checklist for Stationary Kavach Installation

QC Engineer Name: sushma

v1.0

Station ID	Station Name	Zone	Division	Section Name	Initial Date	Updated Date
76868	ugjhg	ER	Howrah-COO	Howrah-COO	2026-02-10	2026-02-10

Completion Status	<input type="checkbox"/>	Completed	<input checked="" type="checkbox"/>	Not Completed
-------------------	--------------------------	-----------	-------------------------------------	---------------

Total Points	Closed Points	Open Points
178	17	161

## 2.0 Building

S.No	Aspect	Requirement	Status	Observation	Image
2.1	Dimensions of building (LxWxH)	Building shall be constructed as per approved Building Diagram	Not Applicable		
2.2	Construction Quality	Walls and steps shall be free from cracks.	Not Applicable		
2.3	Floor Quality	Floor surface shall be levelled properly.	Not Applicable		
2.3.1	Floor Quality	Tiles shall be laid after completion of concrete flooring.	Not Applicable		
2.4	Door Arrangement	Doors and Door locks shall be provided as per tender requirement	Not Applicable		
2.5	Ventilation	Adequate Lighting and ventilation / exhaust fan provided as per tender.	Not Applicable		
2.6	Fire safety	Fire Alaram shall be installed ?	Not Applicable		
2.7	Cable entry sealing	All wall/floor cable entries sealed with fire-retardant compound	Not Applicable		
2.8	Lightning & Surge Protection	Ensure lightning surge protection is installed as per tender	Not Applicable		

### 3.0 Tower

S.No	Aspect	Requirement	Status	Observation	Image
3.1	Installation Location	Installation location must be according to the approved desktop RSSI survey report.	Not Applicable		
3.2	Soil test	Soil test report shall be available for the location.	Not Applicable		
3.3	Foundation work as per the SBC report	Foundation design shall be as per the SBC specified in the soil test report.	Not Applicable		
3.4	Erection of Tower	Verticality test shall be conducted as per RDSO drawing specifications.	Not Applicable		
3.4.1	Erection of Tower	Lightning protection rods and aviation lamp shall be installed at the top of the tower as per diagram 5 16 67 0983.	Not Applicable		
3.4.2	Erection of Tower	Aviation lamp shall glow during night time only.	Not Applicable		
3.5	Tower Painting.	One coat of yellow primer coating and two coats of orange and white color bands on each segment of tower.	Not Applicable		
3.6	Earthing	Tower earthing shall be done per drawing: 5 16 76 0043.	Not Applicable		

**The following are the pending items to be verified during the next inspection**

Section Name	Pending Points
<b>Section 1: Serial Number verification</b>	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11, 1.12, 1.13, 1.14, 1.15, 1.16, 1.17, 1.18, 1.19, 1.20, 1.21, 1.22, 1.23, 1.24, 1.25, 1.26, 1.27, 1.28, 1.29, 1.30, 1.31, 1.32, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39, 1.40, 1.41, 1.42, 1.43, 1.44
<b>Section 4: Power Supply</b>	4.1, 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5, 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.3, 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5
<b>Section 5: Kavach Equipment</b>	5.1, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 5.1.7, 5.1.8, 5.1.9, 5.1.10, 5.1.11, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.3, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.6, 5.3.7, 5.3.8, 5.4, 5.4.1, 5.4.2, 5.4.3, 5.4.4, 5.4.5

Section Name	Pending Points
<b>Section 6: RF Communication equipment on tower</b>	6.1, 6.1.1, 6.1.2, 6.1.3, 6.1.4, 6.1.5, 6.1.6, 6.1.7, 6.1.8, 6.1.9, 6.1.10, 6.2, 6.2.1
<b>Section 7: OFC Networking rack</b>	7.1, 7.1.1, 7.1.2, 7.2, 7.2.1, 7.3, 7.3.1, 7.3.2, 7.4, 7.4.1, 7.4.2, 7.5
<b>Section 8: Relay rack</b>	8.1, 8.1.1, 8.1.2, 8.2, 8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 8.2.6, 8.2.7, 8.3, 8.4
<b>Section 9: Earthing</b>	9.1, 9.2, 9.3, 9.4, 9.5
<b>Section 10: Indoor wiring / cabling</b>	10.1, 10.1.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8
<b>Section 11: Outdoor cabling</b>	11.1, 11.2, 11.3
<b>Section 12: RFID Tags</b>	12.1, 12.2, 12.3
<b>Section 13: Components Inspection</b>	13.1

**Note : This QC report is generated by the system and does not need a physical signature.**