

Bharat Heavy Electricals Limited
Ramachandrapuram : : Hyderabad – 502032
M&S – DIVISION
SCOPE OF WORK (ANNEXURE-I)

Tender No.: M&S/P&S/2021/08, Dt.: 07.07.2021

Name of Work: AMC of Fire Alarm System.

DESCRIPTION OF WORK:

A. SCOPE OF WORK		Contractor's Compliance Yes / No	Contractor's Remarks
1	Maintenance of 26 No. Fire Alarm control Panels of different makes, 1186 Nos of Fire/Smoke sensors along with Manual call points, Hooters, Response indicators, Auto dialers and repeaters which were placed at various locations of the factory area and having connectivity with the fire station of BHEL RC Puram Hyderabad.		
2	The Contractor shall be responsible for rendering maintenance service to the said systems.		
3	The contractor shall employ qualified technicians and engineers for attending the AMC work and any damage due to bad practice should be borne by the contractor by replacing the same.		
4	The offer for AMC rate for 2 years period.		

B. Technical Terms and Conditions		Contractor's Compliance Yes / No	Contractor's Remarks
1.	Spares: Spares will be supplied by BHEL		
2.	The Contractor should provide 24x7 support for the equipment. Any component/equipment failed should be brought into operation within 24 hours on all days of the week.		

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3.	<p>At least 1 qualified Engineer/Technician shall be stationed at BHEL site during contract period, for upkeep and maintenance of the equipment. This engineer shall have expertise in managing the systems under the contract. Documentary proof of certification and experience of the engineer/Technician shall be provided. The engineer shall be available on-site between 8.30 AM to 5.00 PM during all working days of BHEL, Ramachandra Puram for attending emergency breakdowns as per the instructions of the M&S/Instrumentation section in charge.</p>		
4.	<p>Preventive maintenance</p> <p>Periodic maintenance and check should be carried out to keep the equipment in good working conditions. Maintenance will include all Fire/Smoke sensors, hardware, UPS etc.</p> <p>Batteries of all wireless sensors and UPS will be provided by BHEL whenever they are required.</p> <p>Maintenance service shall cover services, repairs and necessary replacements to keep the equipment in good working order on reasonable use of the equipment during the AMC period.</p> <ul style="list-style-type: none"> • Quarterly once all detectors, Manual call points, Auto dialers, Hooters and entire System should be cleaned and checked. • Monthly once Cleaning, checking, testing and maintenance of all Fire Alarm Control Panels has to be done. • Prior intimation should be given for checking the systems and it should be done in presence of CISF fire wing person and BHEL employee and a report should be submitted for the same. • The contractor shall check entire wiring / cabling for the system and shall replace if found defective. Cable will be supplied by BHEL. 		

C. Annexure – I: Details of Fire Alarms

S. No	Area	Location	Panel Make/Type	No. of Detec-tors	No. Of Hoot-ers	No. of MCPs	Remarks
1	Engineering Building	Ground, 1 st & 2 nd Floor	RAVEL RE2558, Conventional	67	14	18	
2	06 ANNEXE	Ground Floor	RAVEL RE2558, Conventional	38	1	0	
3	02 ANNEXE	Computer Room 1 st Floor	RAVEL RE2558, Conventional	4	1	2	
4	M.R.S Building	Ground Floor & 1 st Floor	NOTIFIER - 320 Addressable	14	1	2	
5	10 Panel & BTR Room	Ground Floor	RAVEL:RE 700 Conventional	7	1	1	
6	Telephone Exchange	Ground Floor	RAVEL:RE 700 Conventional	16	2	3	
7	Society Office & Record Room	Ground Floor	RAVEL:RE 700 Conventional	11	1	1	
8	Computer Building	EDP & Finance Section	NOTIFIER: NFS2-640/E Addressable	134	6	6	
9	Admin Building 1 st Floor	Accounts Section	NOTIFIER: NFS2-640/E Addressable	33	2	2	
10	Admin Building	3 rd Floor	NOTIFIER: NFS2-640/E Addressable	92	3	2	
11	Admin Building	4 th Floor	NOTIFIER: NFS2-640/E Addressable	113	3	2	
12	02 Control Room for New Test Pit	1 st Floor	HONEYWELL:MS-9200UDLS Addressable	41	2	2	
13	Safety Engineering building	Near J-Gate	Siemens MXL	13	1	1	
14	Personnel (HR) Department	Ground floor (Adm Bldg)	RAVEL:RE-2558 Conventional	14	1	1	
15	70 Pumps	Testing first floor (New)	Siemens MXL Addressable	23	1	1	
16	Central Record Room	1st floor & 2nd floor	Siemens MXL Addressable	36	2	2	
17	Vendor Complex	Ground Floor	RAVEL:RE2558 Conventional	13	1	2	
18	TIC Building	Pulverizer Engg.	Siemens MXL Addressable	37	2	2	
19	Admin Bldg./ Ground Floor	Sub-Contract(TC>)	NOTIFIER: NFS2-640/E Addressable	25	2	2	

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20	Admin Bldg./ Ground Floor	Sub-Contract & PR	NOTIFIER: NFS2-640/E Addressable	28	2	2	
21	01 TESTING	Testing room	RAVEL:RE2558 Conventional	10	1	1	
22	Admin Building	E.D office lobby & ABC Hall	DIAONICS/wireless	5	1	0	
23	PE&SD Building	Ground Floor	NOTIFIER: NFS2-640/E Addressable	92	3	3	
24	PE&SD Building	1 st Floor	NOTIFIER: NFS2-640/E Addressable	88	3	3	
25	PE&SD Building	2 nd Floor	NOTIFIER: NFS2-640/E Addressable	87	3	3	
26	Solar plant	Ground Floor	Pineacle Conventional	17	2	2	
		Sub Total		1058	62	66	
		Total				1186	

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