

## Annexure-I

### SPECIFICATIONS FOR SUPPLY, INSTALLATION AND COMMISSIONING OF DRY RISER SYSTEM FOR FIRE FIGHTING IN ALL THE FIVE FLOORS OF CTS BUILDING AT BHEL CORPORATE R&D HYDERABAD

SNo.	Description of Work with specifications	Unit	Qty	
1	M.S "B" grade piping as per IS : 1239:2004 / IS : 3589:2001. Above ground piping with necessary flanges & fittings such as elbows, tees and painting of primer and two coats of Apcolyte make paint with supports. Make: TATA or JINDAL.			
	a) 100 mm dia	Mtrs	20	
	b) 80 mm dia	Mtrs	6	
2	Ball Valve of 25 mm dia-Make:ZOLOTO	Nos	5	
3	63mm dia oblique type, <u>Single headed hydrant Valve</u> , stainless steel or Gun Metal conforming to IS:5290:1993. Make: Essel	Nos.	5	
4	<u>Fire Hose Box</u> made out of type hoseboxes with front glass and key to accommodate two hoses of 15m long, hose reel and one branch pipe with nozzle with necessary clamps, and fixing hooks with louvers, as per standered specification	Nos.	5	
5	<u>CP Hose Pipe</u> with stainless steel or Gun Metal coupling of 63mm dia, conforming to IS:636:1988 & IS:903:1993 respectively and as per requirement of local fire service department. 15m long Make: CRC	Nos.	10	
6	Stainless steel or Gun Metal <u>Branch pipe</u> with nozzle conforming to IS:903:1993 & as per the requirement of local fire service department. Make: Essel	Nos.	5	
7	<u>Hose reel drum</u> of swinging type with 19mm dia Rubber braided hose of 30M. length with Gate valve (upstream) and Shut off nozzle, complete. Make: <b>Any make with ISI Certification</b>	Nos.	5	
8	<u>M.S. angles / channel</u> of 8mm thick with necessary fixing arrangements, welding, grouting etc., for pipe supports in trenches / inside the building wall faces / ceiling.	Kg	100	

#### Important Terms

1	THE SYSTEM SHOULD BE SUPPLIED, INSTALLED AND COMMISSIONED IN A PERIOD OF 15-20 DAYS FROM THE DATE OF PLACING THE ORDER.
2	THE SUPPLIER SHOULD BE REPUTED HAVING EXPERIENCE IN SUPPLY AND ERECTION OF SIMILAR SYSTEMS.
3	PAYMENT WILL BE RELEASED ON SUCCESSFUL COMMISSIONING OF SYSTEM.
4	THE SYSTEM SHOULD BE SUPPORTED BY ONE YEAR REPLACEMENT GUARANTEE, AND PREVENTIVE MAINTENANCE VISITS
5	SUPPLIER SHOULD PROVIDE INSURANCE FOR HIS WORKERS BEFORE TAKING UP THE INSTALLATION WORK.
6	RATES SHOULD BE QUOTED ITEM WISE FOR ALL THE ABOVE MATERIALS INCLUSIVE OF INSTALLATION & COMMISSIONING CHARGES. INCOMPLETE OR PARTIAL QUOTATIONS WILL BE REJECTED. OFFERS SHALL BE EVALUATED ON OVERALL LOWEST COST TO BHEL.
7	SUPPLIERS SHOULD COMPLY WITH ALL THE GENERAL TERMS AND CONDITIONS OF BHEL.
8	SUPPLIERS ARE FREE TO VISIT BHEL R&D SITE BEFORE OFFERING THEIR QUOTATION