

	<u>Price Bid format</u>		<u>Annexure -[K] of PY 56217</u>	
	<u>FDA System + Optical LHS System + PLC System</u>		Rev 01	
	Project: 4X270 MW FPS system - Manuguru Bhadradi			
BHEL ENQUIRY NO :		T7B1Q93856 & NIT_33451		Vendor Offer ref no:
Ref. date:		04.07.207		Ref. date:
NOTES ::				
1	This document details the price schedule format for the enquiry. No other format will be entertained. Applicable taxes and duties shall be indicated separately in commercial offer.			
2	Duly signed & stamped un-priced price schedule format shall be submitted by vendor in the technical offer as a token of concurrence that price schedule would be submitted in this format. Any tampering / modification / additions, etc. are NOT allowed and not considered binding and is liable for rejection of the offer.			
3	Bidders shall be evaluated on overall L1 basis.			
4	For addition/reduction of quantity, unit rate quoted in the present offer shall be considered during ordering and shall be valid up to execution of the contract to the extent of $\pm 10\%$ of order Value. These would include the cost up to engineering, installation of the item, wiring up in the panel and seamless integration with main system at works/site without any cost implications. All accessories required for this purpose shall be included in the price quoted.			
5	Billing will be as per BOM of actual supplied main equipment (including accessories & services) & spares.			
6	The total Supervision of Erection & Commissioning charges should be minimum 7.5% of the total quoted price of the Main Supply packages(FDA+PLC+OLHS) excluding taxes and duties. Failing which the total Supervision of Erection & Commissioning charges shall be adjusted to 7.5% of Main Supply packages for evaluation & ordering. Further note that engineer service charges are 90% & visit charges are 10% in above Supervision of Erection & Commissioning charges derived as above.			
7	Per diem service charges shall be applicable from the day bidder's person reaches site, up to the day he leaves the site.			
8	No of Man Days / no of visits are indicative only. For any addition / deletion / reduction visits/ Man Days, then the Bidder shall provide the service on chargeable basis at the same rate quoted in the price schedule. Hence, the Man Day rate and rate per visit is fixed throughout the contract period and extension, if any			
9	Components/Items for addition / deletion, spares shall be identical to the main equipment.			
10	Unit rates of components would be used for effecting required additions/deletions of main equipment during order execution. These would include the cost up to engineering, installation of the item, wiring up in the panel and seamless integration with main system at works/site without any cost implications. All accessories required for this purpose shall be included in the price quoted.			
11	This list is indicative. Vendor has to include and quote unit rates for all items which are figuring in main supply & mandatory spares. Your offer will NOT be evaluated without unit rates.			

		<u>Price Bid format</u> <u>[for Main Supply + Mandatory Spares]</u>			Annexure -[K] of PY 56217		
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S. No	Material Code	Item Description	Quantity [I]	UNITs	Unit Rate [II]	TOTAL PRICE [I*II]	REMARKS
[A]	MAIN SUPPLY						
i	PY9756217081	Fire Detection & Alarm System [MAIN SUPPLY]	1	Set			
ii	PY9756217022	Optical LHS cable + controllers [MAIN SUPPLY]	1	Set			
iii	PY9756217014	PLC Pkg for Fire Protection System [MAIN SUPPLY]	1	Set			
MAIN SUPPLY Total prices ::							
[B]	Vendor Services for Erection & Commissioning						
i	PY9856217067	Vendor Services for Supervision of Erection & Commissioning	1	Set			
ii	PY9856217075	FDA Package vendor visit charges - forSupervision of Erection & Commissioning	1	Set			
Vendor Services Total prices ::							
[C]	Mandatory Spares						
i	PY9856217091	Fire Detection & Alarm System [Mandatory Spares]	1	Set			
ii	PY9856217059	Optical LHS cable [Mandatory Spares]	1	Set			
iii	PY9856217040	PLC Pkg for Fire Protection System [Mandatory Spares]	1	Set			
Mandatory Spares Total Prices ::							
TOTAL (=[A] + [B] + [C])::							
[D]	PACKING & FORWARDING						
[E]	FRIEGHT UPTO PROJECT SITE						
TOTAL FOR OVERALL L1 EVALUATION (=[A] + [B] + [C] + [D] +[E]) ::							
[F]	GST-SUPPLY						
[G]	GST-SERVICE						
[H]	[Optional offer] TRAINING						
i	-	Training for owner's personnal for 5 working days for 5 members at site {Unit rate = per man day}	1	Set			
ii	-	Loop card	1	No's			
iii							

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S. No	Item Description	Unit Rate	Remarks		
	Fire Detection & Alarm System :: Unit rates of main equipment for addition/deletion as per note-10 above				
1	Fire Alarm Panel [MFAP]		Note-11		
2	Repeater Panel (identical to Main Fair alarm panel)		Note-11		
3	TFT-LCD Operator work station [OWS]		Note-11		
4	Licensed Softwares		Note-11		
5	Laser Printer (Colour) suitable for A4 & A3 size papers		Note-11		
6	Printer Cartridge		Note-11		
7	Furniture for 1 No PC & 1 No Printer		Note-11		
8	Multisensor Detectors with detector base and junction box		Note-11		
9	Air sampling detectors		Note-11		
10	Beam Detectors		Note-11		
11	Probe detectors		Note-11		
12	Infrared Detectors with Air Purge Unit		Note-11		
13	Modules for deluge valves		Note-11		
14	Manual Call Points with mounting back box (Indoor)		Note-11		
15	Manual call points (Outdoor)		Note-11		
16	Manual call points (Flame proof)		Note-11		
17	Monitor Modules for Flameproof MCP		Note-11		
18	Hooter cum Strobe with mounting back box		Note-11		
19	Isolator modules		Note-11		
20	Control modules for tripping of AHU and dampers		Note-11		
21	Control modules for hooters		Note-11		
22	Contrl modules for back lit exit signs with mounting back box		Note-11		
23	Control Module for Siren with mounting back box		Note-11		
24	Flame Detector		Note-11		
25	Heat Detector		Note-11		
26	1 Input 1 Output Module		Note-11		
27	Response Indicators		Note-11		
28	Exit Sign (Back lit)		Note-11		
29	Siren (10 km) with siren control panel		Note-11		

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S. No	Item Description	Unit Rate	Remarks		
30	Armored single mode Optical Fibre Cable[OFC] with HDPE Pipe & accessories		Note-11		
31	Power Supply Module		Note-11		
32	CPU Card/Main Control Board		Note-11		
33	Network Interface Items		Note-11		
34	Zone Control Card/Module		Note-11		
35	Audio Control Modules		Note-11		
36	Input/Output Control Modules		Note-11		
37	Any Other Electronic Cards/Modules used in theSystem		Note-11		
38	Battery		Note-11		
39	Erection Materials		Note-11		
(a)	Screw with Rawl Plug		Note-11		
(b)	Back Box		Note-11		
(c)	Nut Bolt Washer Assembly		Note-11		
(d)	Flange for probe detectors		Note-11		
(e)	Pipe Clip		Note-11		
(f)	GI 'U' Bolt		Note-11		
(g)	Saddle Spacer		Note-11		
(h)	Nut Bolt Assembly		Note-11		
(i)	Anchor Fastner		Note-11		
(j)	Hook type Anchor Fastner		Note-11		
(k)	Chain		Note-11		
(k)	Any other Erection / Commissioning material required for completeness of system		Note-11		

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S. No	Item Description	Unit Rate	REMARKS	
	Optical LHS cable + controllers :: Unit rates of main equipment for addition/deletion as per note-10 above			
1	Optical LHS Cable for Cable Galleries		Note-11	
2	Optical LHS Cable for Coal Conveyors		Note-11	
3	Controllers for Optical LHS Cable		Note-11	
4	Erection Materials for S.No. (1) & (2) above		Note-11	
(a)	J-Bolt with two nut assembly		Note-11	
(b)	Rubber Bush		Note-11	
5	Any other Erection / Commissioning material required for completeness of system		Note-11	
6	Field Mounted Optical/Electronic Items/Accessories for Linear Heat Sensing Cable		Note-11	

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		[for Main Supply + Mandatory Spares]			
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S. No	Item Description			Unit Rate (Rs.)	REMARKS
	PLC Pkg for Fire Protection System :: Unit rates of main equipment for addition/deletion as per note-10 above				
1	PLC Controller				
2	Power Supply Modules				
3	Communication module				
4	Analog input module				
5	Digital Input Module				
6	Digital Output module				
7	24" TFT-LCD Operator work station [OWS]				
8	licensed Softwares				
9	Laser Printer (Colour) suitable for A4 & A3 size papers				
10	Engg station (Laptop)				
11	Field Termination Board [FTB] for I/O Modules				
12	Fiber Optic Cable				
13	Remote IO Panel				
14	UPS with Battery				
15	Interface cables with connecting plugs for each type of peripherals & I/O hardware				
16	Key Board & Cursor control devices + 24" LCD TFT Monitor				
17	Any other Erection / Commissioning material required for completeness of system				
18	FO/RS485 converter				
19	Interposing Relays (IPRs)				
20	Terminal Blocks (For 100 terminals)				