

	<u>Price Bid format</u> <u>[for Main Supply + Supervision Services]</u>		Annexure -[7] of PY51354	
	<u>Fire Detection & Protection System</u>		Rev 00	
	Project: 2 x 490 MW FPS system - NTPC Dadri (FGD Package)			
BHEL ENQUIRY NO :		Vendor Offer ref no:		
Ref. date:		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 order execution and shall be valid up to execution of the contract to the extent of + 10%, - 20% of overall 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 as required for this purpose also shall be included in the unit rate of main items.			
5	Billing will be as per BOM of actual supplied main equipment (including accessories & services) & spares.			
6	The total Supervision of Erection & Commissioning Service charges (sl. No. B of price bid format) should be minimum 5% of the total quoted price of the supply package (sl. no. A of price bid format) excluding taxes and duties, failing which break up of prices shall be adjusted accordingly for evaluation & ordering.			
7	Per diem 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. The number of man days or number of visits may change on either side based on the actual site requirement. 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. Bidder to note that payment against Sl. No. [B] above shall be made based on actual number of man-days and visits			
9	Components/Items for addition / deletion, spares shall be identical to the main equipment.			
10	NIL			
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.			

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		<u>Fire Detection & Protection System</u>				Rev 00	
		Project: 2 x 490 MW FPS system - NTPC Dadri (FGD Package)					
S. No	Material Code	Item Description	Quantity [I]	UNITs	Unit Rate (Rs.) [II]	TOTAL PRICE (Rs.) [I*II]	REMARKS
[A]	MAIN SUPPLY						
(a)	PY9751354005	Fire Detection & Protection System comprising of the following systems					
		Water Based Fire Protection System	1	Set			
		O&M Spares Water Based Fire Protection System	1	Set			
		Fire Detection & Alarm System	1	Set			
		O&M Spares for Fire Detection & Alarm System	1	Set			
		Portable Fire Extinguishers	1	Set			
MAIN SUPPLY Total prices (Sub-total of [A]) (Rs.) ::							----- [1]
[B]	Vendor Services for Erection & Commissioning						
(b)	PY9851354015	Supervision of Erection & Commissioning Services charges at site including lodging, boarding, local travel, insurance, etc. [Unit Rate = Per man day charges]	60	Days	To be Quoted	To be Quoted	
(c)	PY9851354023	Supervision of Erection & Commissioning visit charges [i.e. travel expenses like travel to & fro from vendors work to site, clearance charges like visa fee, etc.] [Unit rate = per visit travel expenses]	10	Visits	To be Quoted	To be Quoted	
Vendor SERVICES Total prices (Sub-total of [B]) (Rs.) ::							----- [2]
[C]	Packing and Forwrdng		@	%			----- [3]
[D]	Frieght upto Project site		@	%			----- [4]
Total prices for overall L1 evaluation ([1] + [2] + [3] + [4]) (Rs.) ::							
[E]	GST on [A] , [C] , [D]		@	%			
[F]	GST on [B]		@	%			



Price Bid format
[for Main Supply + O&M Spares]

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Fire Detection & Protection System

Rev 00

Project: 2 x 490 MW FPS system - NTPC Dadri (FGD Package)

Fire Detection & Alarm System :: Unit rates of main equipment & spares for addition/deletion as per note-4 above

S. No	Item Description	Unit Rate (Rs.)	REMARKS
1	MAIN FIRE ALARM PANEL		Note-11
2	FLOOR MOUNTED CABINET		Note-11
3	TRANSFORMER		Note-11
4	REPEATER PANEL		Note-11
5	24" TFT-LCD OPERATOR WORK STATION [OWS]		Note-11
6	LICENSED SOFTWARES		Note-11
7	LASER PRINTER (COLOUR) SUITABLE FOR A4 & A3 SIZE PAPERS		Note-11
8	PRINTER CARTRIDGE		Note-11
9	FURNITURE FOR 1 NO PC & 1 NO PRINTER		Note-11
10	MULTISENSOR DETECTORS WITH DETECTOR BASE AND JUNCTION BOX		Note-11
11	DIGITAL LHS CABLE		Note-11
12	BEAM DETECTORS WITH DETECTOR BASE AND JUNCTION BOX		Note-11
13	HEAT DETECTORS WITH DETECTOR BASE AND JUNCTION BOX		Note-11
14	DUCT MOUNTED SMOKE DETECTOR WITH BASE & JUNCTION BOX		Note-11
15	MODULES FOR 15 NOS OF DELUGE VALVES		Note-11
16	MANUAL CALL POINTS WITH MOUNTING BACK BOX (INDOOR)		Note-11
17	MANUAL CALL POINTS WITH MOUNTING BACK BOX (OUTDOOR)		Note-11
18	BREAK GLASS FOR MCP		Note-11
19	HOOTER CUM STROBE WITH MOUNTING BACK BOX		Note-11
20	HOOTER WITH MOUNTING BACK BOX		Note-11
21	ISOLATOR MODULES		Note-11
22	CONTROL MODULES FOR TRIPPING OF AHU AND DAMPERS		Note-11
23	CONTROL MODULES FOR HOOTERS		Note-11
24	RESPONSE INDICATORS		Note-11
25	SELF ILLUMINATING EXIT SIGN		Note-11
26	POWER SUPPLY MODULE		Note-11
27	CPU CARD/MAIN CONTROL BOARD		Note-11
28	NETWORK INTERFACE ITEMS		Note-11
29	LOOP CARD		Note-11
30	AUDIO CONTROL MODULES		Note-11
31	INPUT/OUTPUT CONTROL MODULES		Note-11
32	ANY OTHER ELECTRONIC CARDS/MODULES USED IN THESYSTEM		Note-11

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33	BATTERY		Note-11
34	FUSE		Note-11
35	LCD DISPLAY UNIT		Note-11
36	AALRM BUZZER INSIDE PANEL		Note-11
37	2C X 1.5 SQMM ARMORED CABLE		Note-11
38	2C X 2.5 SQMM ARMORED CABLE		Note-11
39	FIBER OPTIC CABLE		Note-11
40	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
(l)	STRUCTURE STEEL		Note-11
(m)	J-BOLT		Note-11
(n)	CABLE SADDLES (FOR 1.5 SQMM CABLES)		Note-11
(o)	CABLE SADDLES (FOR 2.5 SQMM CABLES)		Note-11
(p)	CABLE LUGS (FOR 1.5 SQMM CABLES)		Note-11
(q)	CABLE LUGS (FOR 2.5 SQMM CABLES)		Note-11
(r)	CABLE GLANDS (FOR 1.5 SQMM CABLES)		Note-11
(s)	CABLE GLANDS (FOR 2.5 SQMM CABLES)		Note-11
(t)	BASE FRAME FOR FIRE ALARM PANEL		Note-11



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Fire Detection & Protection System

Rev 00

Project: 2 x 490 MW FPS system - NTPC Dadri (FGD Package)

Water Based Fire Protection System :: Unit rates of main equipment & spares for addition/deletion as per note-4 above

S. No	Item Description	Unit Rate (Rs.)	REMARKS
1	SINGLE HEADED HYDRANT VALVE (SS) WITH INSTANTANEOUS FEMALE COUPLING		Note-11
1.1	SPINDLE WITH NUTS OF HYDRANT VALVE		
1.2	BONNET, GLAND NUT, RUBBER ASSEMBLY OF HYDRANT VALVE		
1.3	SEAT, CHECK NUT, WASHER ASSEMBLY OF HYDRANT VALVE		
1.4	RUBBER WASHER FOR FEMALE COUPLING		
1.5	INSTANTANEOUS FEMALE COUPLING ASSEMBLY COMPLETE FOR HYDRANT VALVE		
2	AIR RELEASE VALVE - 25 NB DIA		Note-11
3	ISOLATION GATE VALVE (GUN METAL)- 25 NB DIA		Note-11
4	HOSE PIPE (15 M LENGHT)		Note-11
5	HOSE BOX		Note-11
6	BRANCH PIPE WITH NOZZLE		Note-11
7	WATER MONITOR		Note-11
8	WRAPPING & COATING		
9	SYNTHETIC CHLORINATED PRIMER FOR WRAPING AND COATING MATERIAL		
10	GI PIPE		Note-11
10.1	25NB- MS ERW PIPE (GALVANIZED): IS1239 MED GRADE		Note-11
10.2	32NB- MS ERW PIPE (GALVANIZED): IS1239 MED GRADE		Note-11
10.3	40NB- MS ERW PIPE (GALVANIZED): IS1239 MED GRADE		Note-11
10.4	50NB- MS ERW PIPE (GALVANIZED): IS1239 MED GRADE		Note-11
10.5	65NB- MS ERW PIPE (GALVANIZED): IS1239 MED GRADE		Note-11
10.6	80NB- MS ERW PIPE (GALVANIZED): IS1239 MED GRADE		Note-11
10.7	100NB- MS ERW PIPE (GALVANIZED): IS1239 MED GRADE		Note-11
10.8	150NB- MS ERW PIPE (GALVANIZED): IS1239 MED GRADE		Note-11
11	MS PIPE AS PER IS:1239 (MED GRADE)		Note-11
11.1	25NB- MS ERW PIPE : IS1239 MED GRADE		Note-11
11.2	50NB- MS ERW PIPE : IS1239 MED GRADE		Note-11
11.3	65NB- MS ERW PIPE : IS1239 MED GRADE		Note-11
11.4	80NB- MS ERW PIPE : IS1239 MED GRADE		Note-11
11.5	100NB-MS ERW PIPE : IS1239 MED GRADE		Note-11
11.6	150NB- MS ERW PIPE : IS1239 MED GRADE		Note-11
11.7	200NB- MS ERW PIPE : : IS3589 GR 410		Note-11
12	DELUGE VALVE		Note-11

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12.1	150NB- DELUGE VALVE (CI) WET PILOT ACTUATED WITH TRIM KIT ACCESORIES		Note-11
12.2	150NB-CLAPPER ASSEMBLY COMPLETE (CONSISTING OF CLAPPER SEAT RUBBER, SCREWS, ETC.)		Note-11
12.3	100NB- DELUGE VALVE (CI) WET PILOT ACTUATED WITH TRIM KIT ACCESSORIES		Note-11
12.4	100NB-CLAPPER ASSEMBLY COMPLETE (CONSISTING OF CLAPPER SEAT RUBBER, SCREWS, ETC.)		Note-11
12.5	150NB- SOLENOID COIL		Note-11
12.6	100NB- SOLENOID COIL		Note-11
13	BUTTERFLY VALVE		Note-11
13.1	150NB- BUTTERFLY VALVE (CI) FF ENDS		Note-11
13.2	DISC OF 150NB- BUTTERFLY VALVE (CI) FF ENDS		
13.3	STEM(ALL TYPES) OF 150NB- BUTTERFLY VALVE (CI) FF ENDS		
13.4	SEAL RINGS(ALL TYPES) OF 150NB- BUTTERFLY VALVE (CI) FF ENDS		
13.5	GASKETS OF 150NB- BUTTERFLY VALVE (CI) FF ENDS		
13.6	BEARING OF 150NB- BUTTERFLY VALVE (CI) FF ENDS		
13.7	100NB- BUTTERFLY VALVE (CI) FF ENDS		
13.8	DISC OF 100NB- BUTTERFLY VALVE (CI) FF ENDS		
13.9	STEM(ALL TYPES) OF 100NB- BUTTERFLY VALVE (CI) FF ENDS		
13.10	SEAL RINGS(ALL TYPES) OF 100NB- BUTTERFLY VALVE (CI) FF ENDS		
13.11	GASKETS OF 100NB- BUTTERFLY VALVE (CI) FF ENDS		
13.12	BEARING OF 100NB- BUTTERFLY VALVE (CI) FF ENDS		
14	GATE VALVES		Note-11
14.1	200NB - GATE VALVE (CI) PN 1.6 FF ENDS		Note-11
14.2	GATE/WEDGE OF 200NB - GATE VALVE (CI) PN 1.6 FF ENDS		Note-11
14.3	STEM(ALL TYPES) OF 200NB - GATE VALVE (CI) PN 1.6 FF ENDS		Note-11
14.4	SEAL RINGS(ALL TYPES) OF 200NB - GATE VALVE (CI) PN 1.6 FF ENDS		Note-11
14.5	GASKETS OF 200NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.6	150NB- GATE VALVE (CI) PN 1.6 FF ENDS		
14.7	GATE/WEDGE OF 150NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.8	STEM(ALL TYPES) OF 150NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.9	SEAL RINGS(ALL TYPES) OF 150NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.10	GASKETS OF 150NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.11	100NB- GATE VALVE (CI) PN 1.6 FF ENDS		
14.12	GATE/WEDGE OF 100NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.13	STEM(ALL TYPES) OF 100NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.14	SEAL RINGS(ALL TYPES) OF 100NB - GATE VALVE (CI) PN 1.6 FF ENDS		

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14.15	GASKETS OF 100NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.16	80NB- GATE VALVE (CI) PN 1.6 FF ENDS		
14.17	GATE/WEDGE OF 80NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.18	STEM(ALL TYPES) OF 80NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.19	SEAL RINGS(ALL TYPES) OF 80NB - GATE VALVE (CI) PN 1.6 FF ENDS		
14.20	GASKETS OF 80NB - GATE VALVE (CI) PN 1.6 FF ENDS		
15	Y-STRAINER		Note-11
15.1	150NB - MS Y-STRAINER WITH SS MESH		Note-11
15.2	STRAINER ELEMENTS WITH O-RINGS AND STIFFENERS OF Y- TYPE STRAINER (OF 150 NB SIZE)		Note-11
15.3	100NB- MS Y-STRAINER WITH SS MESH		
15.4	STRAINER ELEMENTS WITH O-RINGS AND STIFFENERS OF Y- TYPE STRAINER (OF 100 NB SIZE)		
14	MVW SPRAY NOZZLE		Note-11
a	K 22 * 140 DEG - MVWS NOZZLE (SS CONSTRUCTION)		Note-11
15	HVW SPRAY NOZZLE		Note-11
a	K-23 ANGLE - 120 - HVWS NOZZLE WITH STRAINER (SS CONSTRUCTION)		Note-11
16	Q. B . DETECTOR 79 DEGREE		Note-11
17	PRESSURE SWITCH		Note-11
18	SOLENOID VALVE		Note-11
19	DELUGE VALVE CONTROL PANEL		Note-11
20	ORIFICE PLATE		Note-11
a	150 ORIFICE PLATE (GI)		Note-11
b	100 ORIFICE PLATE (GI)		Note-11
21	PRESSURE GAUGE (WILL BE SUPPLIED ALONG WITH DELUGE VALVE TRIM KIT)		Note-11
22	ASTM A 234 BUTT WELD EQUAL ELBOW (90 DEG)		Note-11
a	200 NB - ASTM A 234 BUTT WELD EQUAL ELBOW (90 DEG)		Note-11
b	150NB - ASTM A 234 BUTT WELD EQUAL ELBOW (90 DEG)		Note-11
c	100NB - ASTM A 234 BUTT WELD EQUAL ELBOW (90 DEG)		Note-11
d	80NB - ASTM A 234 BUTT WELD EQUAL ELBOW (90 DEG)		Note-11
23	ASTM A 234 BUTT WELD EQUAL TEE		Note-11
a	150NB - ASTM A 234 BUTT WELD EQUAL TEE		Note-11
24	ASTM A 105 SOCKET WELD EQUAL ELBOW 90 DEG		Note-11
a	25NB - ASTM A 105 SOCKET WELD EQUAL ELBOW (90 DEG)		Note-11
25	ASTM A 105 SOCKET WELD RED. ELBOW		Note-11
a	25X15NB ASTM A 105 SOCKET WELD RED. ELBOW (90 DEG) (15NB SCREWED)		Note-11
26	ASTM A 105 SOCKET WELD EQUAL TEE		Note-11

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a	25NB - ASTM A 105 SOCKET WELD EQUAL TEE		Note-11
27	GI FITTINGS BUTT WELD EQUAL ELBOW 90 DEG		Note-11
a	150NB - GI BUTT WELD EQUAL ELBOW 90 DEG		Note-11
b	100NB - GI BUTT WELD EQUAL ELBOW 90 DEG		Note-11
c	65NB - GI BUTT WELD EQUAL ELBOW 90 DEG		Note-11
28	GI FITTINGS BUTT WELD REDUCING ELBOW		Note-11
a	100X80NB- GI BUTT WELD REDUCING ELBOW		Note-11
29	GI FITTINGS BUTT WELD REDUCER		Note-11
a	150X100NB - GI BUTT WELD (CONC.) REDUCER		Note-11
b	100X65NB - GI BUTT WELD (CONC.) REDUCER		Note-11
c	100X50NB - GI BUTT WELD (CONC.) REDUCER		Note-11
d	100X40NB - GI BUTT WELD (CONC.) REDUCER		Note-11
e	80X50NB - GI BUTT WELD (CONC.) REDUCER		Note-11
f	65X50NB - GI BUTT WELD (CONC.) REDUCER		Note-11
g	65X40NB - GI BUTT WELD (CONC.) REDUCER		Note-11
h	65X32NB - GI BUTT WELD (CONC.) REDUCER		Note-11
30	GI FITTINGS BUTT WELD EQUAL TEE		Note-11
a	150NB - GI BUTT WELD EQUAL TEE		Note-11
b	100NB - GI BUTT WELD EQUAL TEE		Note-11
c	80NB - GI BUTT WELD EQUAL TEE		Note-11
31	GI FITTINGS THREADED EQUAL ELBOW 90 DEG		Note-11
a	50NB - GI THREADED EQUAL ELBOW 90 DEG		Note-11
b	40NB - GI THREADED EQUAL ELBOW 90 DEG		Note-11
c	25NB - GI THREADED EQUAL ELBOW 90 DEG		Note-11
32	GI FITTINGS THREADED EQUAL TEE		Note-11
a	50NB - GI THREADED EQUAL TEE		Note-11
b	40NB - GI THREADED EQUAL TEE		Note-11
c	32NB - GI THREADED EQUAL TEE		Note-11
d	25NB - GI THREADED EQUAL TEE		Note-11
33	GI FITTINGS THREADED UNEQUAL TEE		Note-11
a	25X25X15NB - GI THREADED UNEQUAL TEE		Note-11
b	50X50X25NB- GI THREADED UNEQUAL TEE		Note-11
34	GI FITTINGS THREADED REDUCING ELBOW 90 DEG		Note-11
a	25X15NB - GI THREADED REDUCING ELBOW 90 DEG		Note-11
b	50X15NB - GI THREADED REDUCING ELBOW 90 DEG		Note-11



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c	40X15NB - GI THREADED REDUCING ELBOW 90 DEG	Note-11
d	32X15NB - GI THREADED REDUCING ELBOW 90 DEG	Note-11
e	40X32NB - GI THREADED REDUCING ELBOW 90 DEG	Note-11
35	GI FITTINGS THREADED REDUCING ELBOW 45 DEG	Note-11
a	25X15NB - GI THREADED REDUCING ELBOW 45 DEG	Note-11
36	GI FITTINGS THREADED REDUCER	Note-11
a	50X40NB - GI THREADED REDUCER	Note-11
b	50X25NB - GI THREADED REDUCER	Note-11
c	40X25NB - GI THREADED REDUCER	Note-11
d	32X25NB - GI THREADED REDUCER	Note-11
e	25X20NB - GI THREADED REDUCER	Note-11
37	THREADOLET	Note-11
a	15NB -THREADOLET	Note-11
b	20NB -THREADOLET	Note-11
c	25NB-THREADOLET	Note-11
38	HALF COUPLING	Note-11
a	50NB - HALF COUPLING	Note-11
b	40NB - HALF COUPLING	Note-11
c	32NB - HALF COUPLING	Note-11
d	25NB - HALF COUPLING	Note-11
39	CROSS	Note-11
a	25X25X25X25NB - GI UNEQUAL CROSS	Note-11
b	32X32X25X25NB- GI UNEQUAL CROSS	Note-11
c	100X100X65X65NB- GI UNEQUAL CROSS	Note-11
40	25NB NIPPLES- 100 MM LONG	Note-11
41	MS FLANGES	Note-11
a	200NB - MS FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5	Note-11
b	150NB - MS FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5	Note-11
c	100NB - MS FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5	Note-11
d	80NB - MS FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5	Note-11
e	25NB - MS FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5	Note-11
42	GI FLANGES	Note-11
a	150NB- GI FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5	Note-11
b	100NB- GI FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5	Note-11
c	65NB- GI FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5	Note-11

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	d 50NB- GI FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5		Note-11
	e 40NB- GI FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5		Note-11
	f 25NB- GI FLANGES FLNG SLIPON IS2062 #150 FF, ANSI B 16.5		Note-11
43	GASKETS		Note-11
	a 150NB- CNAF AS PER BS 7351 #150 FF, ANSI B 16.5		Note-11
	b 100NB- CNAF AS PER BS 7351 #150 FF, ANSI B 16.5		Note-11
	c 65NB- CNAF AS PER BS 7351 #150 FF, ANSI B 16.5		Note-11
	d 50NB- CNAF AS PER BS 7351 #150 FF, ANSI B 16.5		Note-11
	e 40NB- CNAF AS PER BS 7351 #150 FF, ANSI B 16.5		Note-11
	f 25NB- CNAF AS PER BS 7351 #150 FF, ANSI B 16.5		Note-11
	g NAB SHEET (NRR) BS 7531 GR.X		
44	ISA ANGLES		Note-11
	a 50X50X6MM THK - ISA ANGLE		Note-11
	b 25X25X5MM THK - ISA ANGLES		Note-11
	c 35X35X6MM THK- ISA ANGLES		Note-11
	d 25X25X6MM THK- ISA ANGLES		Note-11
45	ISMC CHANNEL		Note-11
	a ISMC 150 - C-CHANNEL		Note-11
	b ISMC 100- C-CHANNEL		Note-11
	c ISMC 75 - C-CHANNEL		Note-11
46	MS PLATES		Note-11
	a 200X200X8MM THK -MS PLATES		Note-11
	b 200X200X6MM THK - MS PLATES		Note-11
	c 150X150X10MM THK - MS PLATES		Note-11
	d 130X130X6MM THK - MS PLATES		Note-11
	e 125X125X10MM THK - MS PLATES		Note-11
	f 100X100X10MM THK - MS PLATES		Note-11
	g 100X100X5MM THK - MS PLATES		
	h 250X250X10MM.THK - MS PLATES		
47	STUD WITH TWO NUTS		Note-11
	a M20X180MM LONG - STUD WITH TWO NUTS		Note-11
	b M20X120MM LONG - STUD WITH TWO NUTS		Note-11
	c M16X120MM LONG - STUD WITH TWO NUTS		Note-11
48	BOLTS AND NUTS		Note-11
	a M20X90MM LONG - BOLTS AND NUTS		Note-11

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	Fire Detection & Protection System		Rev 00
	Project: 2 x 490 MW FPS system - NTPC Dadri (FGD Package)		
	b M16X90MM LONG - BOLTS AND NUTS		Note-11
	c M16X70MM LONG - BOLTS AND NUTS		Note-11
	d M16X75MM LONG - BOLTS AND NUTS		Note-11
	e M12 X 65 LONG - BOLTS AND NUTS		Note-11
	f M12 X 55 LONG - BOLTS AND NUTS		Note-11
	g M12 X 50 LONG - BOLTS AND NUTS		Note-11
49	ANCHOR FASTNERS		Note-11
	a M16X100MM LONG - ANCHOR FASTNERS		Note-11
	b M10X100MMLONG - ANCHOR FASTNERS		Note-11
	c M8X100MM LONG - ANCHOR FASTNERS		Note-11
	d M12X100MM LONG - ANCHOR FASTNERS		Note-11
	e M12X150MM LONG - ANCHOR FASTNERS		Note-11
50	U BOLTS		Note-11
	a 200NB - M10 - U BOLTS WITH NUTS		Note-11
	b 150NB- M10 - U BOLTS WITH NUTS		Note-11
	c 100NB- M10 - U BOLTS WITH NUTS		Note-11
	d 80NB- M10 - U BOLTS WITH NUTS		Note-11
	e 80NB- M8 - U BOLTS WITH NUTS		Note-11
51	SWIVEL HANGER		Note-11
	a 100NB - SWIVEL HANGER		Note-11
	b 80NB - SWIVEL HANGER		Note-11
	c 65NB - SWIVEL HANGER		Note-11
	d 50NB - SWIVEL HANGER		Note-11
	e 40NB - SWIVEL HANGER		Note-11
	f 32NB - SWIVEL HANGER		Note-11
	g 25NB - SWIVEL HANGER		Note-11
	h 150NB - SWIVEL HANGER		Note-11
52	THREADED ROD		Note-11
	a M12 - THREADED ROD		Note-11
	b M10 - THREADED ROD		Note-11
	c M8 - THREADED ROD		Note-11
53	INSTRUMENT HOOK UP FOR PRESSURE SWITCH		Note-11
	a PRESSURE SWITCH - 15NB SOCKET (ONE SIDE WELDED & ONE SIDE THREADED)		Note-11
	b PRESSURE SWITCH - 15NB THREADED NIPPLE (4") (1/2" NPT(M)X 1/2" NPT(M))		Note-11
	c PRESSURE SWITCH - 15NB GLOBE VALVE (1/2" NPT(F)X 1/2" NPT(F))		Note-11

	<u>Price Bid format</u> <u>[for Main Supply + O&M Spares]</u>		Annexure -[7] of PY51354
	<u>Fire Detection & Protection System</u>		Rev 00
	Project: 2 x 490 MW FPS system - NTPC Dadri (FGD Package)		
d	PRESSURE SWITCH - 15NB ELBOW 90 DEG (1/2" NPT(F)X 1/2" NPT(F))		Note-11
e	PRESSURE SWITCH- 15 NB THREE WAY GAUGE COCK (1/2" NPT(F)X 1/2" NPT(F))		Note-11
f	PRESSURE SWITCH - 15 NB 3-PIECE UNION (1/2" NPT(M)X 1/2" NPT(M))		Note-11

	<u>Price Bid format</u> <u>[for Main Supply + O&M Spares]</u>		Annexure -[7] of PY51354
	<u>Fire Detection & Protection System</u>		Rev 00
	Project: 2 x 490 MW FPS system - NTPC Dadri (FGD Package)		
Portable Fire Extinguishers :: Unit rates of main equipment & spares for addition/deletion as per note-4 above			
1	PRESSURIZED WATER TYPE (OPERATED BY CO2 CARTRIDGE TYPE) - 9 LIT.		Note-11
2	CO2 (4.5Kg)		Note-11
3	DCP (6 Kg)		Note-11