



PROJECT : NORTH KARANPURA STPP
STPP (3X660MW)
Main Supplier : BHEL
PACKAGE: FDPs PACKAGE
SUPPLIER: BHEL-HYDERABAD
CONT. NO.: CS- 4410 -001-2

INDICATIVE LIST OF ITEMS REQUIRING
QUALITY PLAN AND SUB- SUPPLIER
APPROVAL

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DATE: 22.01.2015
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SUB SYSTEM: MECHANICAL

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1.	HORIZONTAL CENTRIFUGAL PUMPS	I		KSB	PUNE	A	
		I		M&P	PUNE	A	
		I		VOLTAS	MUMBAI	A	
		I		BEST AND CROMPTON	CHENNAI	A	
		I		FLOW MORE	GHAZIABAD	A	
		I		WORTHINGTON	GHAZIABAD	A	
		I		SAM TURBO	COIMBATORE	A	
2.	DIESEL ENGINE	I		SULZAR	MUMBAI	A	
		I		KISHORE PUMP	PUNE	A	
		I		KBL	KIRLOSKARWADI	A	
		I		GREAVES COTTON (R & H)	PUNE	A	
		I		CUMMINS	KOTHRUD / VIMAN NAGAR	A	
		I		CATERPILLAR	USA	A	
		I		ASHOK LEYLAND	CHENNAI	A	FOR BOOSTER PUMP
		I		KOEL	PUNE	A	FOR BOOSTER PUMP
		I					
3.	HYDRANT VALVE (SS)	I		SUKAN	AHMEDABAD	A	
		I		SHAH BHOGLAL	AHMEDABAD	A	
		I		NEWAGE INDUSTRIES	SURENDRA NAGAR	A	
4.	SAFETY RELIEF VALVE	III		LEADER	JULANDHER	A	
		III		SPIRAX MARSHALL	PUNE	A	
		III		FISHER SANMAR	CHENNAI	A	
		I		OTOKLIN GLOBAL BUSINESS	MUMBAI	A	
5.	STRAINER	I		SAROJINI ENTERPRISE	HOWRAH	A	
		I		FILTRATION ENGINEERS	MUMBAI	A	
		I		HAWA ENGINEERS LTD.	AHMEDABAD	A	FOR ONLY Y TYPE STRAINER OF PRESSURE CLASS UP TO 150 & SIZE UP TO 300 MM

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6.	CI BUTTER FLY VALVE (UPTO 500 NB PN 16,UPTO 900 NB PN 10)	I		GRAND PRIX	FARIDABAD	A	
		I		MULTITEX	NOIDA	A	
		I		GUJARAT OTOFILT	AHMEDABAD	A	
7.	CI GATE / GLOBE / CHECK VALVES (UPTO 600 NB PN 16)	I		INTERVALVE	PUNE	A	
		I		WEIR BDK	HUBLI	A	
		I		KIRLOSKER	KONDHAPURI	A	
		I		R & D MULTIPLE	VALSAD	A	
		I		IL	PALAKKAD	A	
		I		CRANE PROCESS FLOW	SATARA	A	UPTO 600 NB
		I		FOURESS ENGG	BANGALORE	A	
		I		PENTAIR	BARODA	A	
		I		H SARKAR	HOWRAH	A	
		I		BANKIM	KOLKATA	A	
8.	SS BUTTERFLY VALVE (UP TO 400 NB - PN 10)	I		KIRLOSKAR BROTHERS	KONDHAPURI	A	
		I		A V VALVE	AGRA	A	UP TO 300 NB PN 10
		I		LEADER	JULANDHER	A	
		I		Weir-BDK	HUBLI	A	
		I		FOURESS ENGG.	BANGALORE	A	
9.	SS GATE /GLOBE/ CHECK VALVE (UP TO 300 NB - CL 300)	I		IL	PALAKKAD	A	
		I		INTERVALVE	PUNE	A	
		I		CRANE PROCESS	SATARA	A	
		I		LEADER	JULANDHAR	A	
		I		FOURESS ENGG	AURANGABAD	A	
		I		WEIR BDK	HUBLI	A	
		I		STEEL STRONG VALVE	NAVI MUMBAI	A	
		I		HITECH	AHMEDABAD	A	
		I		KSB WATER PUMPS AND VALVES	COIMBATORE	A	
		I		BHEL	GOINDWAL	A	
10.	SEAMLESS PIPE (FOR INERT GAS SYSTEM)	II		ISMT	AHMEDNAGAR/BAR AMATI	A	AHMEDNAGAR UP TO 150 NB , BARAMATI UPTO 200 NB

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SUB SYSTEM: MECHANICAL

ACCEPTABLE SUPPLIER AS PER
THE PRESENT DATABASE

SUB-SUPPLIER
APPROVAL
STATUS/
CATEGORY

REMARKS

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		II		MAHARASHTRA SEAMLESS	RAIGAD	A	
		I		MUKAT TANKS AND VESSELS	TARAPUR	A	LONGITUDINAL SAW (SINGLE SIDE WELD) AS PER IS 3589
		II		SAIL	ROURKELA	A	
		I		PSL	CHENNAI/ VIZAG/ KUTCH/DAMAN	A	SPIRAL WELD SAW AS PER IS 3589
		I		MAHARASHTRA SEAMLESS	RAIGAD	A	200 NB TO 500 NB ERW PIPES AS PER IS 3589
		I		RATNAMANI	KUTCH	A	ERW PIPES AS PER IS 3589 UPTO 400 NB
		I		JINDAL	GHAZIABAD	A	UPTO 350 NB ERW PIPES AS PER IS 1239/3589
		I		SURYA ROSHNI	BAHADURGARH	A	UPTO 400 NB ERW PIPES AS PER IS 1239/3589
		I		RATNAMANI	KUTCH	A	SPIRAL WELD SAW AS PER IS 3589
		I		RATNAMANI	CHHATRAL	A	SPIRAL WELDED SAW AS PER IS 3589 ABOVE 600 NB
		I		JCO GAS PIPES	CHINDWARA	A	SPIRAL WELDED SAW AS PER IS 3589 ABOVE 400 NB
		I		PRATIBHA PIPES & STRUCTURE PVT. LTD.	THANE	A	SPIRAL WELDED SAW AS PER IS 3589 ABOVE 400 NB
		I		LALIT PROFILE	THANE	A	SPIRAL WELDED SAW AS PER IS 3589 ABOVE 355 MM
		I		SURENDRA ENGG.	RAIPURA	A	SPIRAL WELDED SAW AS PER IS 3589 ABOVE 500 NB
		I		SAMSHI PIPES INDUSTRIES	VADODARA	A	SPIRAL WELDED SAW AS PER IS 3589 ABOVE 450 NB

Amrinder

Amrinder



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		I		MUKUT PIPES	RAIPURA	A	LONGITUDINAL SAW (SINGLE SIDE WELD) AS PER IS 3589 UPTO 500 NB
		I		INDUS TUBES	G B NAGAR	A	UPTO 300 NB ERW PIPES AS PER IS 1239/3589
		I		MANN IND	INDORE	A	SPIRAL WELD SAW AS PER IS 3589
		II		TATA	JAMSHEDPUR	A	UPTO 150 NB ERW PIPES AS PER IS 1239
		I		WELSPUN	BHARUCH	A	SPIRAL WELD SAW AS PER IS 3589
		I		DADU PIPES	SIKANDRABAD	A	UP TO 300 NB ERW PIPE AS PER IS 3589
		I		JINDAL INDUSTRIES LTD.	HISSAR	A	UP TO 300 NB ERW BLACK PIPE AS PER IS 1239/3589
		I		APL APOLLO TUBES LTD.	SIKANDRABAD	A	MS pipes (Black & GI) as per IS 1239 & MS pipes (Black & GI) as per IS 3589 up to 250 NB size, 8 mm thickness and Grade up to Fe 410.
		I		LLYODS LINE PIPES LTD.	THANE	A	MS pipes (Black & GI) as per IS 1239 & MS pipes (Black) as per IS 3589 up to 350 NB size, 8 mm thickness and Grade up to Fe 410.
		I		WELPSUN	ANJAR	A	UPTO 400 NB ERW PIPES AS PER IS 1239/3589
		II		BIS APPROVED SOURCES WITH VALID LICENCE		A	
12.	FIRE HOSE						

Aravind

Aravind



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13.	WATER MONITOR	II		HD FIRE	JALGAON	A	
		II		NEWAGE	SURENDRA NAGAR	A	
		II		SHAH BHOGILAL	AHMEDABAD	A	
14.	BRANCH PIPE, COUPLING & NOZZLE (SS & GM)	II		BIS APPROVED SOURCES WITH VALID LICENCE			
		I		HD FIRE	THANE/JALGAON	A	
15.	DELUGE VALVE WITH TRIMS	II		TYCO (GRINELL)	UK/USA	A	
		I		UTC FIRE & SECURITY INDIA LTD.	BANGALORE	A	FOR PISTON TYPE- DELUGE VALVE ONLY
16.	HV/ MV SPRAY NOZZLE	II		HD FIRE	THANE	A	
		II		TYCO	UK/USA	A	
17.	QB DETECTOR	II		TYCO (GRINELL)	UK	A	
		I		HD FIRE	THANE	A	
18.	WRAPPING & COATING MATERIAL	II		MINIMAX	GERMANY	A	
		II		MP TAR PRODUCTS	BHILAI	A	
		II		PORWAL INDUSTRIES	RAIPUR	A	
		II		STP	JAMSHEDPUR	A	
		II		RUSTECH	KOLKATA	A	
19.	INERT GAS EXTINGUISHING SYSTEM (SUB-QR ITEM)	II		ANSUL	USA	A*	*SUBJECT TO SUB-QR CLEARANCE FROM ENGG.
		II		KIDDE (GINGEKERR)	DANMARK	A*	
		II		MINIMAX Gmbh & Co. KG	GERMANY	A*	
		II		TOTAL WALTHER	GERMANY	A*	
		II		NOHMI BOSAI	JAPAN	A*	
20.	GM VALVE	III*		LEADER VALVES	JULANDHER	A	*MAIN CONTRACTOR COC + MANUFACTURER STD TC AS PER IS : 778
		III*		SANT VALVES	JULANDHER	A	
21.	FIRE EXTINGUISHER	I		BIS APPROVED SOURCES WITH VALID LICENCE			
22.	HOSE BOX	III		MAIN CONTRACTOR APPROVED SOURCES			

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23.	MALLEABLE FITTINGS	III*		MAIN CONTRACTOR APPROVED & REGULAR SOURCES			*MAIN CONTRACTOR COC + MANUFACTURER STD TC AS PER IS :1879
24.	MS FITTINGS (BLACK /GI)	III		MAIN CONTRACTOR APPROVED SOURCES			
25.	FITTINGS (ASTM A 234/ A 105)	II		NL HAZRA	KOLKATA	A	
		II		GUJRAT INFRA PIPES	BARODA	A	
		II		TUBE PRODUCTS	BARODA	A	
		II		PIPEFIT ENGINEERS	BARODA	A	
		II		MS FITTINGS	KOLKATA	A	
		II		SIDDARTH & GAUTAM	FARIDABAD	A	
		II		EBY	MUMBAI	A	
26.	SS ERW/SEAMLESS PIPES	III*		APEX TUBES	BEHROR	A	*MAIN CONTRACTOR COC + MANUFACTURER STD TC AS RELEVANT STD
		III*		RATNAMANI	AHMEDABAD	A	
		III*		REMI	MUMBAI	A	
		I		ARMSSELL	BANGALORE	A	
		I		EDDY CRANES	PUNE	A	
27.	EOT CRANES (UPTO 10 T) / ELECTRIC HOISTS (UPTO 10 T)	I		LIFTING EQUIPMENTS	DELHI	A	ONLY FOR ELECTRIC HOIST UPTO 5 T
		I		TRACTOR TRIPLEL	PALVEL	A	FOR ELECTRIC HOIST ONLY
		I		CONSOLIDATED HOIST PVT. LTD.	SATARA / PUNE	A	
		I		ALPHA SERVICES	BHIWADI	A	
		I		TUOBRO FURGUSON INDIA PVT. Ltd	KOLKATA	A	FOR ELECTRIC HOIST UPTO 5 T
		I		MUKAND	THANE	A	FOR EOT CRANE ONLY
		I		FAFCO	VADODARA/MUMBAI	A	FOR EOT CRANE ONLY
		I		WMII	MUMBAI	A	FOR EOT CRANE ONLY

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28.	CHAIN PULLEY BLOCK (UPTO 5 TONS)	I		AVON CRANES	GURGAON	A	
		I		MILLARS INDIA LTD.	KARANSAD	A	FOR EOT CRANE ONLY
		I		TISCO GROWTH	JAMSHEDPUR	A	FOR EOT CRANE ONLY
		I		UNIQUE INDUSTRIAL HANDLERS	NASHIK	A	FOR EOT CRANE ONLY
		I		ANUPAM INDUSTRIES LTD.	V.U.NAGAR	A	FOR EOT CRANE ONLY
		I		HEC	RANCHI	A	FOR EOT CRANE ONLY
		I		CENTURY CRANE	BALLABHGARH	A	
		I		GRIP	FARIDABAD	A	FOR ELECTRIC HOIST ONLY
		I		HERCULES HOIST	RAIGAD	A	FOR ELECTRIC HOIST ONLY
		I		REVA INDUSTRIES	FARIDABAD	A	
		I		GRIP	HYDERABAD	A	
		III*		TRACTEL TRIFEL	PALVEL	A	*MAIN CONTRACTOR COC + MANUFACTURER STD TC AS PER IS : 3832
		III*		ARMSELL	BANGALORE	A	
		III*		LEAP	DELHI	A	
		III*		HERCULES (INDEF)	RAIGAD	A	
		III*		CENTURY CRANE	BALLABHGARH	A	
		II		SHAH BHOGLILAL	AHMEDABAD	A	
		II		NEWAGE INDUSTRIES	SURENDRA NAGAR	A	
29.	MULTI PURPOSE NOZZLE	II					
30.	PRESSURE RELIEF DAMPER(GRAVITY DAMPER)	III		MAIN CONTRACTOR APPROVED SOURCES			
31.	ALARM VALVE WITH TRIMS	I		HD FIRE	THANE	A	
32.	PRESSURE REDUCING VALVE (PRV)	I		HD FIRE	JALGAON	A	
		III*		RAPHEAL VALVES (TYCO VALVES)	ISREAL	A	*MANUFACTURER COC + UL/FM/LPCB/YDS APPROVAL FOR SPECIFIC MODEL SHALL BE SUBMITTED

Signature

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STPP (3X660MW)

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33.	AIR RELEASE VALVE	I		DARLING MUESCO	AHMEDABAD	A	
		III		MAIN CONTRACTOR APPROVED SOURCES			
34.	FOAM SYSTEM (BLADDER TANK TYPE)	I		FIRETECH	MUMBAI	DR	
		I		HD FIRE	JALGAON	DR	
35.	CLEAN AGENT	II*		FIRE TRACE	UK	DR	
	DIRECT/INDIRECT	II*		ROTAREX	LUXEMBURG	DR	* SUBJECT TO APPROVAL OF UL/FM/VVDS/LPCB
	LOW PRESSURE						
	AUTOMATIC FIRE						
	DETECTION &						
	SUPPRESSION SYSTEM						
	WITH LINEAR						
	PNEUMATIC HEAT						
	DETECTION TUBE						
36.	CONTROL PANEL	I		L&T	MUMBAI/ COIMBATORE	A	
		I		GE	BANGALORE	A	
		I		SIEMENS	MUMBAI	A	
		I		SCHNEIDER	NASHIK	A	
		I		UNILEC	GURGAON	A	
		I		CONTROL & SWITCHGEAR	NOIDA/ HARDWAR	A	
		I		CONTROL & SCHEMATIC	HYDERABAD	A	
		I		JACKSON	G. NOIDA	A	
		I		ANAND POWER	NOIDA	A	
		I		PYROTECH	UDAIPUR	A	
		I		SWITCHING CIRCUIT	KOLKATA	A	
		I		POSITRONICS	VADDODARA	A	
		I		MAKTEL	VADDODARA	A	
		I		TRICOLITE	SAHIBABAD/ MANESAR	A	
		I		HINDUSTAN CONTROL & EQUIPMENT	KOLKATA	A	
		I		CONTROL DEVICES	KOLKATA	A	

Amrutha

22/1/15
1 H. Shetye

Amrutha



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37.	Push Button Station	I		VIDYUT CONTROL	GHAZIABAD	A	
		I		ADEC POWER	ROHAD (JHAJIHAR)	A	
		I		JOLLY ENGG.	KOLKATA	A	
		I		JASPER	Noida	A	
38.	For other electrical items	I		HAVELL	FARIDABAD	A	
		III		BHEL, approved source for the box. Push Button: Any make with VDE/CE/UL/CSA Marking or BIS approved with CML number. Please refer NOA for the Project		A	
39.	FOP FOR FIRE WATER TANK *	I		MAIN CONTRACTOR			*REFER NOTE 1
40.	FOP (MATL RECEIPT, STORAGE & ERECTION)	I		MAIN CONTRACTOR			

LEGENDS:

1. SYSTEM SUPPLIER / SUB-SUPPLIER STATUS CATEGORY (SHALL BE FILLED BY NTPC).

A - Indicated acceptable sub-suppliers to NTPC along with condition of approval of any/all

2. INSPECTION CATEGORY:

Cat I : For these items the quality plans are approved by NTPC and final acceptance will be after physical inspection witness by NTPC.

CAT II : For these items the quality plans are approved by NTPC. However no physical inspection will be done by NTPC. The final acceptance by NTPC shall be on the basis of review of documents as per QP.

CAT III: For these items Main Supplier approves quality plans. The final acceptance by NTPC shall be on the basis of certificate of conformance by Main Supplier

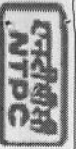
Note 1:

a) Steel Plate shall be procured from Main steel producers like SAIL/TISCO/RINL/JINDAL Steel & Power/ESSAR Steel Ltd/ISPAT Industries Ltd/LLOYD'S Steel Industries Ltd/JSW Steel Ltd. (b) Material will be delivered directly from manufacturer's plant/stock yard/godown to NTPC project site (c) Correlation of material with MTC will be done by Main contractor before delivery and Correlated MTC along with delivery challan will be submitted to NTPC-RIO for issuance of MDCC (Category of Inspection of Plates shall be Cat-III with the above mentioned conditions). (c) Misc Supporting structural steel for Fire water tanks or other applications shall be sourced from Main Contractor Approved sources with Marking/Logo of Main Steel producers as indicated in (a) above.

Arbush

22/1/15

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PROJECT : North Karanpura STPP (3 x 660 MW)
PACKAGE: FDPS Package
SUPPLIER: M/s BHEL, Hyderabad
CONT. NO.: CS-4410 -001-2

List of items requiring quality plan &
subcontractor approval
C&I list for FDPS Package

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1	INSTRUMENTATION CABLE (REFER NOTE-2)	I		DELTON CABLES LTD	FARIDABAD	A	PVC, FRLS TYPE
				PARAMOUNT COMMUNICATION LTD	KHUSHKHERA	A	PVC, FRLS TYPE
				CORDS CABLE INDUSTRIES LTD	BHIWADI/ KAHARANI	A	PVC, FRLS TYPE
				KEI INDUSTRIES LTD	BHIWADI	A	PVC, FRLS TYPE
				POLYCAB WIRES PVT. LTD.	DAMAN	A	PVC, FRLS TYPE
				THERMOCABLES	HYDERABAD	A	PVC, FRLS TYPE
				ELKAY TEELINKS	FARIDABAD	A	PVC, FRLS TYPE
				GUPTA POWER	KHURDHA	A	PVC, FRLS TYPE
				NICCO	KOLKATA	A	PVC, FRLS TYPE
				UNIVERSAL CABLE	SATNA	A	PVC, FRLS TYPE
2	FIRE ALARM PANEL -MICROPROCESSOR BASED	II		NOTIFIER	USA	A	SIMPLEX BRAND
				TYCO	USA	A	
				AUTRONICA	NORWAY	A	
				SCHRACK	AUSTRIA	A	
				EDWARDS	USA	A	
				ESSER (HONEYWELL)	GERMANY	DR	
3	ADDRESSABLE DETECTORS (MULTI SENSOR, PHOTO & HEAT DETECTORS TYPE), INTERFACE UNITS & MANUAL CALL POINTS	II		NOTIFIER	USA	A	SIMPLEX BRAND
				TYCO	USA	A	
				AUTRONICA	NORWAY	A	
				SCHRACK	AUSTRIA	A	

* - INSPECTION CATEGORY IS TO
BE DECIDED DURING VENDOR
EVALUATION

Project

Signature



PROJECT : North Karanpura STPP (3 x 660 MW)
PACKAGE: FDPS Package
SUPPLIER: M/s BHEL, Hyderabad
CONT. NO.: CS-4410-001-2

List of items requiring quality plan &
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4	FIBRE OPTIC CABLES	II	*	EDWARDS	USA	A	* - INSPECTION CATEGORY IS TO BE DECIDED DURING VENDOR EVALUATION
				ESSER (HONEYWELL)	GERMANY	DR	
5	PRESSURE./ VACCUUM/ DP GAUGES	III		BIRLA ERICSSON OPTICAL	REWA	A	
				AKSH FIBER	BHIWADI	A	
				FINOLEX	PUNE/GOA	A	
				R&M	SWITZERLAND	A	
				HFCL	GOA	A	
				GLUCK(I) MANUFACTURING CO.	MUMBAI	A	
				AN INSTRUMENTS	NARENDRAPUR	A	
				MANOMETER INDIA	MUMBAI	A	
				WIKI	PUNE	A	
				GIC (GAUGES BOURDON)	PANVEL	A	
6	LEVEL SWITCHES (FLOAT/DISPLACER)	III		BAUMER	VAPI	A	
				H GURU INDUSTRIES LTD	RISHRA/ MUZAFFARPUR	A	
				ASHCROFT	GANDHINAGAR	A	
				H GURU (SI)	BANGALORE	A	
				FORBES MARSHALL	HYDERABAD	A	
				LEVCON	KOLKATA	A	
				SIGMA	MUMBAI	A	
				SBEM	PUNE	A	
				FLOW STAR	FARIDABAD	A	
				D.K.INSTRUMENTS	KOLKOTTA	A	
7	ELECTRICAL ACTUATOR	II		V-AULOMAT	NEWDELHI	A	
				ROTORC CONTROLS	CHENNAI/ BANGALORE	A	
				LIMITORQUE	FARIDABAD	A	
				AUMA	BANGALORE	A	

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Ammergion



PROJECT : North Karanpura STPP (3 x 660 MW)
PACKAGE: FDPs Package
SUPPLIER: M/s BHEL, Hyderabad
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8	SOLENOID VALVE	III		ROTEX	VADODARA	A	
				AVCON	MUMABI	A	
				ASCO	CHENNAI	A	
				NUCON	HYDERABAD	A	
				SMC	NOIDA	A	
9	TERMINAL BLOCK	III		PHOENIX	BRAND NAME	NOTED	
				WAGO	BRAND NAME	NOTED	
				WIED MULLER	BRAND NAME	NOTED	
				ELEMAX	BRAND NAME	NOTED	CE MARKED ONLY
				ELTEK	GURGAON	A	MODULES FROM ELTEK
10	24V INTELLIGENT BATTERY CHARGER /DCDB & BHMS	I		MASS TECH	JALGAON	A	MODULES FROM ELTEK
				CHHABI	JALGAON	A	MODULES FROM EMERSON
				EMERSON	AMBERNATH	A	WITH MODULES FROM EMERSON- CHINA
				DIGITAL INSTRUMENTS & CONTROL SYSTEM	BANGALORE	A	
				ROCKWELL AUTOMATION		A	
11	GRAPHICAL INTERFACE UNITS (GIU)	III		RENU ELECTRONICS	PUNE	A	
				SCHNEIDER ELECTRIC		A	
				RED LION		NOTED	
				HP VALVES AND FITTINGS	CHENNAI	NOTED	
				BALDOTA	MUMBAI	NOTED	
12	INSTRUMENT FITTINGS	III					

Reddy

Thamara



PROJECT : North Karanpura STPP (3 x 660 MW)
PACKAGE: FDPS Package
SUPPLIER: M/s BHEL, Hyderabad
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13	OWS/PC	III		HYDAIR	LONAVALA	NOTED	
				EXCEL HYDRO	MUMBAI	NOTED	
				PRECESSION	MUMBAI	NOTED	
				ASTEC	THANE	NOTED	
				VIKAS	DELHI	NOTED	
14	ULTRASONIC TYPE LEVEL TRANSMITTER	III		COMPAQ / HP		NOTED	
				IBM / LENOVO		NOTED	
				DELL		NOTED	
				E & H	GERMANY/ AURANGABAD	A	
				SIEMENS MILTRONICS	CANADA	A	
15	PLC SYSTEM	II		EMERSON	PAWANE	A	MAIN KIT FROM MOBREY-UK FOR LIQUID APPLICATION ONLY
				NIVELCO	HUNGARY	A	
				SIEMENS	NASIK	A	
				SCHNEIDER ELECTRIC	NASIK	A	
				ROCKWELL AUTOMATION	SAHIBABAD	A	
16	PRESSURE TRANSMITTER (PRESSURE, DP, FLOW, LEVEL APPLICATION)	III		ABB	BANGALORE	A	
				GE INTELLIGENT PLATFORM	BANGALORE	A	
				HONEYWELL	PUNE	A	
				EMERSON (ROSEMOUNT)	USA / PAWANE	A	
				FUJI ELECTRIC	CHINA	A	
17	FLOW SWITCH	III		SIEMENS	FRANCE/KALWA	A	
				YOKOGAWA INDIA LIMITED	BANGALORE	A	MAKE : YOKOGAWA, JAPAN
				HONEYWELL	USA / PUNE	A	
				LAXONS AUTOMATION INDIA PVT LTD	DAMAN	A	MAKE- SMAR BRAZIL
				ABB	BANGALORE	A	2600T SERIES ONLY
				SWITZER	CHENNAI	NOTED	
				KHRONE MARSHALL	PUNE	NOTED	
				DK INSTRUMENT	KOLKATA	NOTED	

Project

Signature



PROJECT : North Karanpura STPP (3 x 660 MW)
PACKAGE: FDPS Package
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18	LEVEL INDICATOR (TRANSPARENT/ REFLEX TYPE)	III		LEVCON LEVCON SIGMA D.K.INSTRUMENTS FLOW STAR V-AUTOMAT PUNE TECHTROL	KOLKATA KOLKATA MUMBAI KOLKATA FARIDABAD NEWDELHI PUNE	NOTED NOTED NOTED NOTED NOTED NOTED NOTED	
19	NI-CD BATTERY FOR PLC SYSTEM	I II		AMCO SAFT HBL POWER SYSTEM SAFT	BANGALORE HYDERABAD FRANCE/ SWEDEN	A A A	
20	LEVEL INDICATOR / GAUGE (FLOAT / BOARD TYPE & TUBULAR TYPE)	III		SBEM PUNE TECHTROL V AUTOMAT GAUGES BOURDEN LEVCON D K INSTRUMENTS SCIENTIFIC DEVICES SIGMA INSTRUMENTS FLOW STAR	PUNE PUNE DELHI PANVEL KOLKATA KOLKATA MUMBAI MUMBAI FARIDABAD	NOTED NOTED NOTED NOTED NOTED NOTED NOTED NOTED NOTED	
21	IR DETECTORS	III		NEOLA CORP (ODTI) PATOL	USA/CANADA UK	A A	
22	LHS CABLE	III		KIDDE PROTECTOWIRE PATOL SYSTEM SENSOR	UK UK UK UK	A A A DR	
23	PROBE TYPE HEAT DETECTORS(FLAME PROOF)	III *		KIDDE FENWAL TYCO	USA USA	A DR	
		*					* - INSPECTION CATEGORY IS TO BE DECIDED DURING VENDOR EVALUATION
							SIMPLEX BRAND

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PROJECT : North Karanpura STPP (3 x 660 MW)
PACKAGE: FDPS Package
SUPPLIER: M/s BHEL, Hyderabad
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List of items requiring quality plan &
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24	SHORT TERM FIRE PROOF CABLES, MICC CABLES	III		TYCO WREXHAM KME	UK / CHINA UK ITALY	A A A	
25	MINI UPS (UP TO 2.5KVA)	III		APC DELTA HITACHI-HIREL EMERSON DB POWER APLAB	BANGALORE GURGAON GANDHINAGAR MUMBAI PUNE MUMBAI	NOTED NOTED NOTED NOTED NOTED NOTED	
26	DC UPS FOR PLC	III		PHOENIX / SIEMENS		NOTED	COVERED IN PLC QP
27	PRESSURE /DP / VACUUM SWITCH	II		SWITZER GIC (GAUGES BOURDON) TRAFAG ASHCROFT INDFOS SOR ASHCROFT DELTA CONTROL HP/CANON / IBM/ XEROX / EPSON/LEXMARK	CHENNAI PANVEL MANESAR GANDHINAGAR GHAZIABAD USA USA /GERMANY UK BRAND NAME	A A A A A A A NOTED	UP TO 40KG/CM2 & NOT FOR COMPOUND SWITCH AND EXCEPT 900 SERIES UP TO 40KG/CM2 & NOT FOR COMPOUND SWITCH UP TO 40KG/CM2 & NOT FOR COMPOUND SWITCH UP TO 40KG/CM2 & NOT FOR COMPOUND SWITCH
28	LASER PRINTER	III					
29	COMPUTER FURNITURE	III		MAIN CONTRACTOR APPROVED SOURCES		NOTED	
30	LOCAL CONTROL PANEL (BLANK	II		PYROTECH PENTAIR (HOFFMAN)	UDAIPUR BANGALORE	A A	

Project

Signature



PROJECT : North Karanpura STPP (3 x 660 MW)
PACKAGE: FDPS Package
SUPPLIER: M/s BHEL, Hyderabad
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31	ENCLLOSURES) FOR FIRE ALARM PANEL (NOT APPLICABLE FOR SCHEDULE -I SUPPLY)	III		RITTAL	BANGALORE	A	FOR ASSEMBLY/WIRING ONLY; PANEL & ACCESSORIES FROM NTPC APPROVED SOURCES
				VENUS	MUMBAI	A	
				AMARRAJA	TIRUPATI	NOTED	
32	SMF LEAD-ACID BATTERY FOR MICROPROCESSOR BASED FIRE ALARM PANEL	III		EXIDE	KOLKATTA	NOTED	
				HBL POWER SYSTEM	HYDERABAD	NOTED	
				MAIN CONTRACTOR APPROVED SOURCES		NOTED	
33	LOCAL CONTROL PANEL FOR DIESEL ENGINE/DELUGE VALVE	I		JASPER	GURGAON	A	
				KMG A TOZ	NOIDA	A	
				C & S	NOIDA/ HARIDWAR	A	
				ICA	MUMBAI	A	
				ISC	MUMBAI	A	
				PYROTECH	UDAIPUR	A	
				ANAND CONTROL	NOIDA	A	
				VIDUT CONTROL	GHAZIABAD	A	
				VENUS	MUMBAI	A	
				JAI BALAJI	MUMBAI	NOTED	
34	LIMIT SWITCH	III		VAISHNAV	CHENNAI	NOTED	
				OMRON	BRAND NAME	NOTED	
				HONEYWELL	BRAND NAME	NOTED	
35	BEAM DETECTOR	*		SYSTEM SENSOR	UK	DR	* - INSPECTION CATEGORY IS TO BE DECIDED DURING VENDOR EVALUATION
				TYCO	UK	DR	
				ESSEH(HONEYWELL)	GERMANY	DR	
				EDWARD SYSTEM	USA	DR	

NOTED LEGENDS:

Reviewed

Manager



PROJECT : North Karanpura STTP (3 x 660 MW)
PACKAGE: FDPS Package
SUPPLIER: M/s BHEL, Hyderabad
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1. SYSTEM SUPPLIER / SUB-SUPPLIER STATUS CATEGORY (SHALL BE FILLED BY NTPC).

A - For those items, proposed Sub-vendors are acceptable to NTPC subject to meeting NTPC Technical specification requirement, along with condition of approval, if any.
DR - For those items "Details Required" for NTPC review. To be indicated with letter "DR" in the list.

Noted: For those items vendors are approved by Main Supplier and accepted by NTPC without specific sub-vendor approval from NTPC. To be indicated with "NOTED" in the list.

2. INSPECTION CATEGORY:

Cat I : For those items the quality plans are approved by NTPC and final acceptance will be on physical inspection witness by NTPC.

CAT II : For those items the quality plans are approved by NTPC. However no physical inspection will be done by NTPC. The final acceptance by NTPC shall be on the basis of review of documents as per QP.

CAT III: For those items Main Supplier approves quality plans. The final acceptance by NTPC shall be on the basis of certificate of conformance by Main Supplier.

* - Inspection category is to be decided during vendor evaluation.

NOTE-1: For item not appearing in the pre-award list, bidder and NTPC will mutually discussed in future.

NOTE-2: If Contract Quantity of Cable is less than 1KM of each type/size, NTPC Inspection CAT-III & if Contract Quantity of Cable is less than 2.5 KM of each type / size, NTPC Inspection CAT-II.

NTPC
Main Contractor