



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

DOC. No. : CS-4410-001-FDPS
Revision No. : 00
DATE: 22.01.2015
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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
3.	HYDRANT VALVE (SS)	I		KOEL	PUNE	A	FOR BOOSTER PUMP
		I		SUKAN	AHMEDABAD	A	
		I		SHAH BHOGILAL	AHMEDABAD	A	
		I		NEWAGE INDUSTRIES	SURENDRA NAGAR	A	
		III		LEADER	JULLANDHER	A	
		III		SPIRAX MARSHALL	PUNE	A	
		III		FISHER SANMAR	CHENNAI	A	
4.	SAFETY RELIEF VALVE	I		OTOKLIN GLOBAL BUSINESS	MUMBAI	A	
		I		SAROJINI ENTERPRISE	HOWRAH	A	FOR SIMPLEX STRAINER UPTO 300 NB
		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
5.	STRAINER						

Signature

PROJECT : NORTH KARANPURA STPP STPP (3X660MW) Main Supplier : BHEL PACKAGE: FDP'S PACKAGE SUPPLIER: BHEL-HYDERABAD CONT. NO.:CS- 4410 -001-2		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL			DOC. No. : CS- 4410-001-FDPS Revision No. : 00 DATE: 22.01.2015 PAGE 2 OF 9		
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SUB-SYSTEM: MECHANICAL							
		I		GRAND PRIX	FARIDABAD	A	
		I		MULTITEX	NOIDA	A	
		I		GUJARAT OTOFILT	AHMEDABAD	A	
6.	CI BUTTER FLY VALVE (UPTO 500 NB PN 16,UPTO 900 NB PN 10)	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	
		I		KIRLOSKAR BROTHERS	KONDHAPURI	A	
		I		A V VALVE	AGRA	A	UP TO 300 NB PN 10
		II		LEADER	JULLANDHER	A	
8.	SS BUTTERFLY VALVE (UP TO 400 NB - PN 10)	I		Weir -BDK	HUBLI	A	
		I		FOURESS ENGG.	BANGALORE	A	
		I		IL	PALAKKAD	A	
		I		INTERVALVE	PUNE	A	
		I		CRANE PROCESS	SATARA	A	
		I		LEADER	JULLANDHAR	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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		PROJECT : NORTH KARANPURA STPP STPP (3X660MW) Main Supplier : BHEL		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL		DOC. No. : CS- 4410-001-FDPS	
		PACKAGE: FDPS PACKAGE SUPPLIER: BHEL-HYDERABAD		SUB-SYSTEM: MECHANICAL		Revision No. : 00	
		CONT. NO.:CS- 4410 -001-2		ACCEPTABLE SUPPLIER AS PER THE PRESENT DATABASE		DATE: 22.01.2015	
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						REMARKS	
						SUB-SUPPLIER APPROVAL STATUS/ CATEGORY	

	II	MAHARASHTRA SEAMLESS	RAIGAD	A	
11.	MS PIPE (IS:1239 / IS:3589 UPTO 150 NB/ 900 NB)				
	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.	RAJPURA	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

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		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			DOC. No. : CS- 4410-001-FDPS Revision No. : 00 DATE: 22.01.2015 PAGE 4 OF 9	
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		I		MUKUT PIPES	RAJPURA	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
12.	FIRE HOSE	II		BIS APPROVED SOURCES WITH VALID LICENCE		A	

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		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			DOC. No. : CS- 4410-001-FDPS Revision No. : 00 DATE: 22.01.2015 PAGE 5 OF 9		
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SUB SYSTEM: MECHANICAL										
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						
15.	DELUGE VALVE WITH TRIMS	I		HD FIRE	THANE/JALGAON	A				
		II		TYCO (GRINEEL)	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				
		II		MINIMAX	GERMANY	A				
18.	WRAPPING & COATING MATERIAL	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	JULLANDHER	A	*MAIN CONTRACTOR COC + MANUFACTURER STD TC AS PER IS : 778			
		III*		SANT VALVES	JULLANDHER	A				
21.	FIRE EXTINGUISHER	I		BIS APPROVED SOURCES WITH VALID LICENCE						
22.	HOSE BOX	III		MAIN CONTRACTOR APPROVED SOURCES						

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 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		DOC. No. : CS- 4410-001-FDPS			
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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 TRIFEL	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		WMI	MUMBAI	A	FOR EOT CRANE ONLY

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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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SUB SYSTEM: MECHANICAL							

28.	CHAIN PULLEY BLOCK (UPTO 5 TONS)	I		AVON CRANES	GURGAON	A	FOR EOT CRANE ONLY
		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	FOR EOT CRANE ONLY
		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 BHOGILAL	AHMEDABAD	A	
		II		NEWAGE INDUSTRIES	SURENDRA NAGAR	A	
29.	MULTI PURPOSE NOZZLE	III		MAIN CONTRACTOR APPROVED SOURCES			
30.	PRESSURE RELIEF DAMPER(GRAVITY DAMPER)						
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/VDS APPROVAL FOR SPECIFIC MODEL SHALL BE SUBMITTED

Aravind

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

INDICATIVE LIST OF ITEMS REQUIRING
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33.	AIR RELEASE VALVE	I		DARLING MUESCO	AHMEDABAD	A	
34.	FOAM SYSTEM (BLADDER TANK TYPE)	III		MAIN CONTRACTOR APPROVED SOURCES			
35.	CLEAN AGENT	I		FIRETECH	MUMBAI	DR	
	DIRECT/INDIRECT LOW PRESSURE AUTOMATIC FIRE DETECTION & SUPPRESSION SYSTEM WITH LINEAR PNEUMATIC HEAT DETECTION TUBE	I		HD FIRE	JALGAON	DR	
		II*		FIRE TRACE	UK	DR	* SUBJECT TO APPROVAL OF UL/FM/VDS/LPCB
		II*		ROTAREX	LUXEMBURG	DR	
36.	CONTROL PANEL	I		L&T	MUMBAI/ COIMBATORE	A	
		I		GE	BANGALORE	A	
		I		SIEMENS	MUMBAI	A	
		I		SCHEIDER	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	VADODARA	A	
		I		MAKTEL	VADODARA	A	
		I		TRICOLITE	SAHIBABAD/ MANESAR	A	WALL MOUNTED PANEL
		I		HINDUSTAN CONTROL & EQUIPMENT	KOLKATA	A	
		I		CONTROL DEVICES	KOLKATA	A	

Ar. K. K. S. 22/1/15
I. H. (Shelkar)

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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		DOC. No. : CS-4410-001-FDPS Revision No. : 00 DATE: 22.01.2015 PAGE 9 OF 9			
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		I		VIDYUT CONTROL	GHAZIABAD	A	
		I		ADLEC POWER	ROHAD (HAJJHAR)	A	
		I		JOLLY ENGG.	KOLKATA	A	
		I		JASPER	NOIDA	A	
		I		HAVELL	FARIDABAD	A	WALL MOUNTED PANEL
37.	Push Button Station	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	
38.	For other electrical items			MAIN CONTRACTOR			*REFER NOTE 1
39.	FQP FOR FIRE WATER TANK *	I					
40.	FQP (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 if any.

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 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 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 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 applications shall be sourced from Main Contractor Approved sources with Marking/Logo of Main Steel producers as indicated in (a) above.

Ambedkar 22/1/15

				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				DOC. No. : 4410 - 001-QOI-R-00 Revision No. : 00 DATE: 22/01/2015 PAGE : 1 OF 8			
SL.NO.	ITEM	QP/INS PN CAT	QP NO.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC APPL STATUS	REMARKS								
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 TELELINKS	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									
				TYCO	USA	A	SIMPLEX BRAND								
				AUTRONICA	NORWAY	A									
				SCHRACK	AUSTRIA	A									
				EDWARDS	USA	A									
				ESSER (HONEYWELL)	GERMANY	DR	* - INSPECTION CATEGORY IS TO BE DECIDED DURING VENDOR EVALUATION								
3	ADDRESSABLE DETECTORS (MULTI SENSOR, PHOTO & HEAT DETECTORS TYPE), INTERFACE UNITS & MANUAL CALL POINTS	II		NOTIFIER	USA	A									
				TYCO	USA	A	SIMPLEX BRAND								
				AUTRONICA	NORWAY	A									
				SCHRACK	AUSTRIA	A									

Signature

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 &
subcontractor approval
C&I list for FDPS Package

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SL.NO.	ITEM	QP/INS PN CAT	QP NO.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC APPL STATUS	REMARKS
EDWARDS							
4	FIBRE OPTIC CABLES	II	*	ESSER (HONEYWELL)	USA	A	* - INSPECTION CATEGORY IS TO BE DECIDED DURING VENDOR EVALUATION
				BIRLA ERICSSON OPTICAL	REWA	A	
				AKSH FIBER	BHIWADI	A	
				FINOLEX	PUNE/GOA	A	
				R&M	SWITZERLAND	A	
5	PRESSURE/ VACCUUM/ DP GAUGES	III		HFCL	GOA	A	
				GLUCK(I) MANUFACTURING CO.	MUMBAI	A	
				AN INSTRUMENTS	NARENDRAPUR	A	
				MANOMETER INDIA	MUMBAI	A	
				WIKI	PUNE	A	
6	LEVEL SWITCHES (FLOAT/DISPLACER)	III		GIC (GAUGES BOURDON)	PANVEL	A	
				BAUMER	VAPI	A	
				H GURU INDUSTRIES LTD	RISHRA/ MUZAFFARPUR	A	
				ASHCROFT	GANDHINAGAR	A	
				H GURU (SI)	BANGALORE	A	
7	ELECTRICAL ACTUATOR	II		FORBES MARSHALL	HYDERABAD	A	
				LEVCON	KOLKATA	A	
				SIGMA	MUMBAI	A	
				SBEM	PUNE	A	
				FLOW STAR	FARIDABAD	A	
				D.K.INSTRUMENTS	KOLKOTTA	A	
				V-AULOMAT	NEWDELHI	A	
				ROTORCK CONTROLS	CHENNAI/ BANGALORE	A	
				LIMITORQUE	FARIDABAD	A	
				AUMA	BANGALORE	A	

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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		DOC. No. : 4410 - 001-Q01-R-00 Revision No. : 00 DATE: 22/01/2015 PAGE : 3 OF 8	
SL.NO.	ITEM	QP/INS PN CAT	QP NO.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC APPL STATUS	REMARKS
8	SOLENOID VALVE	III		ROTEX AVCON ASCO NUCON SMC	VADODARA MUMABI CHENNAI HYDERABAD NOIDA	A A A A A	
9	TERMINAL BLOCK	III		PHOENIX WAGO WIED MULER ELEMEX ELTEK	BRAND NAME BRAND NAME BRAND NAME GURGAON	NOTED NOTED NOTED NOTED A	CE MARKED ONLY MODULES FROM ELTEK
10	24V INTELLIGENT BATTERY CHARGER /DCDB & BHMS	I		MASS TECH CHHABI EMERSON	JALGAON JALGAON AMBERNATH	A A A	MODULES FROM ELTEK MODULES FROM EMERSON WITH MODULES FROM EMERSON- CHINA
11	GRAPHICAL INTERFACE UNITS (GIU)	III		DIGITAL INSTRUMENTS & CONTROL SYSTEM ROCKWELL AUTOMATION RENU ELECTRONICS SCHNEIDER ELECTRIC RED LION	BANGALORE PUNE	A A A A	PROFACE BRAND
12	INSTRUMENT FITTINGS	III		HP VALVES AND FITTINGS BALDOTA	CHENNAI MUMBAI	NOTED NOTED NOTED	

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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

DOC. No. : 4410 - 001-QOIR-00
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PAGE : 4 OF 8

SL.NO.	ITEM	QP/INS PN CAT	QP NO.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC/APPL STATUS	REMARKS
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	I	EMERSON	PAWANE	A	MAIN KIT FROM MOBREY-UK FOR L.IQUID 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	I	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
17	FLOW SWITCH	III		SWITZER	CHENNAI	NOTED	
				KHRONE MARSHALL	PUNE	NOTED	
				DK INSTRUMENT	KOLKATA	NOTED	

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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		DOC. No. : 4410 - 001-QOI-R-00 Revision No. : 00 DATE: 22/01/2015 PAGE : 5 OF 8		
SL.NO.	ITEM	Q/INS PN CAT	QP NO.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC APPL STATUS	REMARKS	
18	LEVEL INDICATOR (TRANSPARENT/ REFLEX TYPE)	III		LEVCON	KOLKATA	NOTED		
				LEVCON	KOLKATA	NOTED		
				SIGMA	MUMBAI	NOTED		
				D.K.INSTRUMENTS	KOLKATA	NOTED		
19	NI-CD BATTERY FOR PLC SYSTEM	I		FLOW STAR	FARIDABAD	NOTED		
				V-AUTOMAT	NEWDELHI	NOTED		
				PUNE TECHTROL	PUNE	NOTED		
				AMCO SAFT	BANGALORE	A		
20	LEVEL INDICATOR / GAUGE (FLOAT / BOARD TYPE & TUBULAR TYPE)	II		HBL POWER SYSTEM	HYDERABAD	A		
				SAFT	FRANCE/ SWEDEN	A		
				SBEM	PUNE	NOTED		
				PUNE TECHTROL	PUNE	NOTED		
21	IR DETECTORS	III		V AUTOMAT	DELHI	NOTED		
				GAUGES BOURDEN	PANVEL	NOTED		
				LEVCON	KOLKATA	NOTED		
				D K INSTRUMENTS	KOLKATA	NOTED		
22	LHS CABLE	III		SCIENTIFIC DEVICES	MUMBAI	NOTED		
				SIGMA INSTRUMENTS	MUMBAI	NOTED		
				FLOW STAR	FARIDABAD	NOTED		
				NEOLA CORP (ODTI)	USA/CANADA	A		
23	PROBE TYPE HEAT DETECTORS(FLAME PROOF)	III		PATOL	UK	A		
				KIDDE	UK	A		
				PROTECTOWIRE	UK	A		
				PATOL	UK	A		
24	SYSTEM SENSOR	*						
25	SYSTEM SENSOR	*						
26	SYSTEM SENSOR	*						
27	SYSTEM SENSOR	*						
28	SYSTEM SENSOR	*						
29	SYSTEM SENSOR	*						
30	SYSTEM SENSOR	*						
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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		DOC. No. : 4410 - 001-QOI-R-00 Revision No. : 00 DATE: 22/01/2015 PAGE : 6 OF 8	
SL.NO.	ITEM	Q/INS PN CAT	QP NO.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC APPL STATUS	REMARKS
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	CHENNAI PANVEL MANESAR GANDHINAGAR GHAZIABAD USA USA /GERMANY UK	A A A A A A A A	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		HP/CANON/ IBM/ XEROX / EPSON/LEXMARK	BRAND NAME	NOTED	
29	COMPUTER FURNITURE	III		MAIN CONTRACTOR APPROVED SOURCES		NOTED	
30	LOCAL CONTROL PANEL (BLANK	II		PYROTECH PENTAIR (HOFFMAN)	UDAIPUR BANGALORE	A A	

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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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SL.NO.	ITEM	QP/INS PN CAT	QP NO.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC APPL STATUS	REMARKS
	ENCLOSURES) FOR FIRE ALARM PANEL (NOT APPLICABLE FOR SCHEDULE -I SUPPLY)			RITTAL VENUS	BANGALORE MUMBAI	A A	FOR ASSEMBLY/WIRING ONLY; PANEL & ACCESSORIES FROM NTPC APPROVED SOURCES
31	SMF LEAD-ACID BATTERY FOR MICROPROCESSOR BASED FIRE ALARM PANEL	III		AMARRAJA EXIDE HBL POWER SYSTEM	TIRUPATI KOLKATTA HYDERABAD	NOTED NOTED NOTED NOTED	
32	SIREN	III		MAIN CONTRACTOR APPROVED SOURCES			
33	LOCAL CONTROL PANEL FOR DIESEL ENGINE/DELUGE VALVE	I		JASPER KMG A TOZ C & S ICA ISC PYROTECH ANAND CONTROL VIDUT CONTROL VENUS JAI BALAJI VAISHNAV OMRON HONEYWELL SYSTEM SENSOR TYCO ESSER(HONEYWELL) EDWARD SYSSTEM	GURGAON NOIDA NOIDA/ HARIDWAR MUMBAI MUMBAI UDAIPUR NOIDA GHAZIABAD MUMBAI MUMBAI CHENNAI BRAND NAME BRAND NAME UK UK GERMANY USA	A A A A A A A A A A NOTED NOTED NOTED NOTED DR DR DR DR	
34	LIMIT SWITCH	III					
35	BEAM DETECTOR	*					* - INSPECTION CATEGORY IS TO BE DECIDED DURING VENDOR EVALUATION

NOTED LEGENDS:

				PROJECT : North Karaupura 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		DOC. No. : 4410 - 001-Q01-R-00 Revision No. : 00 DATE: 22/01/2015 PAGE : 8 OF 8	
SL. NO.	ITEM	QP/INS PN CAT	QP NO.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC APPL STATUS	REMARKS				

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 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

