

SI No.	Item	QP/ Insp. Cat.	SUB VENDOR LIST		NTPC DOC NO	APPROVAL CONDITIONS
					REVISION NO	
					DATE	
	PACKAGE/SUB PACKAGE: R&M OF ESP/MILL REJECT SYSTEM PROJECT:KAHALGAON ST-I(4X210 MW)					
			ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE OF MANUFACTURING	APPROVAL STATUS	
			BHARAT FORGE	PUNE	A	
			TAYO ROLLS	JAMSHEDPUR	A	
			PUNJAB HAMMER	MANDI GOVINDGARH	A	
			FORGING INDIA	KOLKATA	A	
			PAHLAD RAI FORGINGS	KANPUR	A	
			HEC	RANCHI	A	
			VISHNU FORGINGS	NASIK	A	
15	CS AND ALLOY STEEL CASTINGS	Refer Resp Eqpt QP	PRAYAS CASTINGS	V V NAGAR	A	
			STEELCAST	BHAVNAGAR	A	
			KOLHAPUR STEEL	KOLHAPUR	A	
			AQUA ALLOYS	KOLHAPUR	A	
			MARTOPEARL ALLOYS	HYDERABAD	A	
			UP STEEL	MUZAFFAR NAGAR	A	NOT FOR Mn STEEL CASTING
			GS ALLOYS	VIJAYWADA	A	NOT FOR Mn STEEL CASTING
			VOSSLOH BEEKAY CASTINGS	BHILAI	A	UPTO 250 KG. NOT FOR Mn STEEL CASTING
			RAIPUR CASTINGS	BILASPUR	A	UPTO 250 KG.
16	MISC. FABRICATED ITEMS, TECHNOLOGICAL STRUCTURE	III	MAIN CONT. APPROVED SOURCES			
17	BELT CLEANER & SKIRT BOARD SEALING, SKIRT BOARD RUBBER(BACKING PLATE, RUBBER BLOCKS), FESTOON TROLLEY	III	MAIN CONT. APPROVED SOURCES			
18	SCRAPPER,SHEAVES,TAKEUP TROLLEY,TAKEUP COMPONENTS (THIMBLE,BULL DOG GRIP,TURN BUCKLE,COUNTER WEIGHTS), SCREW TAKEUP, RAIL, MANUAL RAIL CLAMP	III	MAIN CONTRACTOR APPRD SOURCES			
19	WIRE ROPE	III	BOMBAY WIRE ROPES	MUMBAI	A	
			BHARAT WIRE ROPE	MUMBAI	A	
			USHA MARTIN	RANCHI	A	
20	CAST IRON CASTING	III	MAIN CONT. APPRD SOURCES			
21	PLUMMER BLOCK	III	MAIN CONT. APPRD SOURCES			
22	SAFETY RELIEF VALVE	III	LEADER	JULLANDHAR	A	
			SPIRAX MARSHALL	PUNE	A	
			FISHER SANMAR	CHENNAI	A	
23	Y - TYPE STRAINERS	III	MAIN CONTRACTOR APPRD SOURCES			
24	STRAINERS (BASKET TYPE)	II	GRANDPRIX	NEW DELHI	A	
		II	MULTITEX	NOIDA	A	
		I	FILTRATION ENGINEERS	MUMBAI	A	

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					DATE	
	PACKAGE/SUB PACKAGE: R&M OF ESP/MILL REJECT SYSTEM PROJECT:KAHALGAON ST-I(4X210 MW)					
		II	GUJARAT OTOFILT	AHMEDABAD	A	
		II	OTOKLIN FILTERS INDIA	MUMBAI	A	
		II	GREAVES COTTON	MUMBAI	A	
		II	SAROJINI	KOLKATA	A	
25	MS FITTINGS (BLACK / GI) AS PER IS 1239 PART-2	III	MAIN CONTRACTOR APPRD SOURCES			
26	MS ERW PIPES AS PER IS 1239 / IS 3589 (UPTO 600 NB)	II	SAIL	ROURKELA	A	
		I	MAHARASHTRA SEAMLESS	RAIGAD	A	ONLY ERW 200 TO 500 NB
		I	JINDAL	GHAZIABAD	A	ONLY ERW UPTO 350 NB
		I	INDUS TUBES	G B NAGAR	A	ONLY ERW UPTO 300 NB
		I	SURYA ROSHNI	BAHADURGARH	A	ONLY ERW UPTO 400 NB
		I	TISCO	JAMSHEDPUR	A	ONLY ERW UPTO 150 NB
		I	WELSPUN	ANJAR	A	SAW UPTO 2600 NB
		I	WELSPUN	BHARUCH	A	SAW UPTO 1300 NB
		I	APL APOLLO TUBES LTD	SIKADRABAD	A	ONLY ERW UP TO 250 NB
		I	LLOYDS LINE PIPES LTD	THANE	A	ONLY ERW UP TO 350 NB
		I	MAN INDUSTRIES	INDORE	A	SAW UPTO 1400 NB
		I	SAMSHI	VADODARA	A	SAW 450 TO 2540 NB
		I	MUKAT TANKS & VESSELS	TARAPUR	A	SAW 200 TO 1200 NB
		I	MUKAT PIPES	RAJPURA	A	SAW UPTO 1800 NB
		I	DADU PIPES	SIKANDERABAD	A	UPTO 300 NB BLACK ONLY
		I	LALIT PIPES AND PIPES LTD	THANE	A	SAW 350 TO 1400 NB
		I	SURENDRA ENGG	RAJPURA	A	SAW 200 TO 500 NB
		I	RATNAMANI	CHATRAL	A	SAW 600 TO 2600 NB
		I	RATNAMANI	KUTCH	A	SAW 400 TO 3600 NB
		I	PSL HOLDINGS LIMITED	DAMAN	A	SAW 450 TO 1600 NB
		I	PSL INTERNATIONAL LTD.	CHENNAI	A	SAW 450 TO 1600 NB
		I	PSL LIMITED	KUTCH	A	SAW 450 TO 1600 NB
		I	PSL LIMITED	VISAKHAPATNAM	A	SAW 450 TO 1600 NB
		I	JINDAL	HOWRAH	A	ERW UP TO 500 NB
		I	JINDAL	HISAR	A	UPTO 300 NB BLACK ONLY
		I	JCO PIPES	CHHINDWARA	A	SAW UPTO 1600 NB

 NTPC	PACKAGE/SUB PACKAGE: R&M OF ESP/MILL REJECT SYSTEM		SUB VENDOR LIST			NTPC DOC NO	
	PROJECT:KAHALGAON ST-I(4X210 MW)					REVISION NO	
		DATE					
SI No.	Item	QP/ Insp. Cat.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE OF MANUFACTURING	APPROVAL STATUS	APPROVAL CONDITIONS	
		I	SURYA GLOBAL STEEL TUBE LTD	ANJAR	A	SAW UP TO 2600 NB	
		I	CAPACITE STRUCURES PVT LTD (EARLIER PRATIBHA PIPES & STRUCTURES PVT. LTD.)	THANE	A	406.4 MM TO 3874 MM OD	
27	FORGED/FORMED FITTINGS	III	GUJARAT INFRA PIPES	BARODA	A		
		III	EBY	UMBAI	A		
		III	N.L.HAZRA	KOLKATA	A		
		III	MS FITTINGS	KOLKATA	A		
		III	TRUE FORGE	FARIDABAD	A		
		III	TUBE PRODUCTS	BARODA	A		
		III	PIPEFIT ENGINEERS	BARODA	A		
		III	SIDDARTH & GAUTAM	FARIDABAD	A		
28	CI PRESSURE RELEIF/REDUCING VALVE	III	DARLING MUESCO	AHMEDABAD	A		
			LEADER	JULLUNDHAR	A		
			FISCHER SANMAR	PUNE	A		
			SPIRAX MARSHALL	PUNE	A		
			FAINGER LESSER	AURANGABAD	A		
29	SHOP FABRICATED CONVEYOR STRUCTURE	I	INDIANA GRATINGS PVT. LTD.	PUNE	A		
		I	JINDAL STEEL & POWER LTD.	RAIGARH	A		
		I	BABY ENGG. PVT. LTD.	TRICHY	A		
		I	REGIONAL ENGG. WORKS	TRICHY	A		
		I	AJANTHA FABS	MATHUR	A		
		I	CAPACITE STRUCTURES LTD.	THANE	A		
		I	MIURA INFRASTRUCTURE PVT. LTD.	BHILAI	A		
		I	SHIVAM HITECH STEELS PVT. LTD	BHILAI	A		
		I	TECHNOFAB MANUFACTURING LTD.	CHENNAI	A		
		I	JSW SEVERFIELD STRUCTURES LTD(JSSL)	BELLARY	A		
		I	ALLIANCE INTEGRATED METALIKS LTD(AIML)	RAJPURA	A		
		I	ATMASTCO PVT LTD	DURGAPUR	A		
		I	APEX BUILDSYS LTD	NAGPUR	A		
		I	COREFAB PROJECTS PVT LTD	BHILAI	A		
		I	KOTHARI CHEMICALS	BHILAI	A		

SI No.	Item	QP/ Insp. Cat.	SUB VENDOR LIST		NTPC DOC NO	APPROVAL CONDITIONS
					REVISION NO	
					DATE	
	PACKAGE/SUB PACKAGE: R&M OF ESP/MILL REJECT SYSTEM PROJECT:KAHALGAON ST-I(4X210 MW)					
		I	FEDDERS ELECTRIC	SIKANDRABAD	A	
		I	ARCELOR MITTAL DHAMM PROCESSING PVT LTD	RANIPET	A	
		I	ARTSON ENGINEERING	NASIK	A	
		I	GOODLUCK STEEL TUBES	SIKANDRABAD	A	
		I	ESSAR STEEL INDIAL LTD	BAHADURGARH	A	
		I	ESSAR STEEL INDIAL LTD	HAZIRA	A	
		I	ESSAR STEEL INDIAL LTD	KANCHEEPURAM	A	
		I	FEDDERS ELECTRIC	HARDWAR	A	
		I	NBPPL	MANNAVARAM	A	
		I	THE INDURE PVT LTD	SIKANDRABAD	A	
		I	OEM		DR	
		I	ARTSON ENGINEERING	NAGPUR	A	
30	SILO	I	OEM		DR	
31	STRUCTURAL STEEL	III	SAIL			
		III	JINDAL STEEL AND POWER LTD			
		III	JSW STEEL LTD			
		III	ESSAR STEEL INDIAL LTD			FOR FLAT PRODUCTS/STEEL PLATES
32	ELECTRONIC SPEED SWITCH, ZSS, TILT SWITCH, MAGNETIC SWITCH, PROXIMITY SWITCH	III	JAYASHREE	PUNE	A	
		III	PROTO CONTROL	PUNE	A	
		III	P.G.ELECTRONICS LTD	MUMBAI	A	
		III	VIRTUAL INDUSTRIES	JAMSHEDPUR	A	
33	PULL CORD/BELT SWAY SEITCHES, UNDER BELT SWITCH	III	JAYASHREE	PUNE	A	
		III	KAKKU	BHILAI	A	
		III	PROTO CONTROL	PUNE	A	
		III	AG SYSTEMS	MUMBAI	A	
34	FLOAT TYPE LEVEL SWITCH	III	MAIN CONTRACTOR APPRD SOURCES			
35	RF LEVEL SWITCH	II	JAYASHREE	PUNE	A	
		II	EIP TECHNOLOGY	NOIDA	A	

PACKAGE/SUB PACKAGE: R&M OF ESP/MILL REJECT SYSTEM PROJECT:KAHALGAON ST-I(4X210 MW)		SUB VENDOR LIST			NTPC DOC NO	
					REVISION NO	
					DATE	
Sl No.	Item	QP/ Insp. Cat.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE OF MANUFACTURING	APPROVAL STATUS	APPROVAL CONDITIONS
36	ELECTRO FORGED GRATINGS	II	NIVO CONTROL	INDORE	A	
		II	FLOW STAR	FARIDABAD	A	
		II	AG SYSTEMS	MUMBAI	A	
		III	INDIANA GRATINGS	PUNE	A	
		III	KANADE ANANAD UDYOG	THANE	A	
		III	GREAT WELD	PUNE	A	
		III	PINAX	PATNA	A	
		III	PREMIUM POWER PRODUCTS	KOLKATA	A	
		III	SUTTATI ENTERPRISES	PUNE	A	
		III	BHOLARAM STEELS	PATNA	A	
37	PAINT	III	AKZO NOBEL			
		III	BERGER			
		III	SHALIMAR			
		III	JENSON & NICOLSON			
		III	KANSAI NEROLAC			
		III	ASIAN PAINTS			
38	HANDRAIL	III	MAIN CONTRACTOR APPRD SOURCES			

LEGENDS
1. SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY (SHALL BE FILLED BY NTPC)
A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter "A" in the list alongwith the condition of approval, if any.
DR – For these items "Detailed required" for NTPC review. To be identified with letter "DR" in the list.
NOTED – For these items vendors are approved by Main Supplier and accepted by NTPC without specific vendor approval from NTPC. To be identified with "N"
2. QP/INSPN CATEGORY:
CAT-I : For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC.
CAT-II : For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved QP.
CAT-III : For these items Main Supplier approves the Quality Plans. The final acceptance by NTPC shall be on the basis certificate of conformance by the main supplier.
Remarks:1.Performance feedback is required for Apron feeder, Paddle feeder, Ring granulator and Vibrating screen feeder.

NTPC approved sub-vendor list for electrical and C&I items

	Project	KAHALGAON-II (4 x 210 MW)	STATUS OF ITEM REQUIRING QP& SUB-SUPPLIER APPROVAL ESP R&M - ELECTRICAL	DOC NO.	CS-4210-104A(R&M)-2
	Package	R&M for ESP		REV. NO.	: 0
	Contractor	BHEL		DATE	: 18.05.2017
	Contractor No.	CS-4210-104A(R&M)-2			

S.No	Item Services	QP/ Insp. Cat.	QP Sub. Schedule Approval schedule	Date of sub-mission	Date of commt Appl.	Status Code C/I/I	Proposed Sub Supplier	Place of manufacturing works	Approval Status	Sub-supplier detail submission schedule	Remarks
1	HFTR SET (Power Plus)	II					NWL	USA	A		SUB QR ITEM
		II					Kraft Powercon	Sweden	A		SUB QR ITEM
2	HVR Transformer & EC Panel	I					ADOR Powertron	Pune	A		SUB QR ITEM
		I					Hind Rectifier	Mumbai	A*		* - TO BE CONSIDERED ONLY AFTER SATISFACTORY RESOLUTION OF HVR TRF FAILURE AT FGUTPP - SUB QR ITEM
		I					BHEL	Jhansi	A		SUB QR ITEM
		I					Kraft Powercon	Pune	DR		SUB QR ITEM
3	Oil Filled LT Transformer (6.6 / .415 KV)	I					EMCO	Thane / Jaigaon	A		SUB QR ITEM
		I					VOLTAMP	Makarapura	A		SUB QR ITEM
		I					Transformer & rectifier	Ahmedabad	A		SUB QR ITEM
		I					Kanohar	Meerut	A		SUB QR ITEM
		I					Tesla	Bhopal	A		SUB QR ITEM
		I					Kirloskar Electric	Pune	A		SUB QR ITEM
		I					Andrew Yule	Chennai	A		SUB QR ITEM
		I					CGL	Malanpur	A		SUB QR ITEM
		I					ECE	Sonepet	A		SUB QR ITEM
		I					Vijay Electrical	Hyderabad	A		SUB QR ITEM
		I					Schneider	Nalini/Vadodara	A		SUB QR ITEM
		I					Sudhir Intravidyut	Bangalore	DR		SUB QR ITEM
4	LT Motor (See Note-1)	I					Jyoti	Vadodara	A		
		I					Bharat Biljee	Mumbai	A		UPTO 180 KW,RQP
		I					CGL	Ahmednagar	A		RQP
		I					ABB	Faridabad*/Bangalore**	A		*UPTO 55 KW**ABOVE 55& UPTO 200 KW,RQP
		I					SIEMENS	Mumbai	A		RQP
		I					NGEF	Bangalore	A		UPTO 16 KW
		I					LHP	Solapur	A		UPTO 120 KW
		I					KEC	Bangalore/Hubli*	A		*UPTO 90 KW,RQP
		I					MARATHON	Calcutta	A		RQP
5	LT MCC /ACP	I					SCHEINDER	Nasik	A		
		I					L&T	Mumbai/Coimbatore	A		
		I					C&S	Noida/Haridwar	A		
		I					UNILEC	Gurgaon	A		
		I					GEI	Bangalore	A		
		I					SIEMENS	Mumbai	A		
		I					Control Schematics	Hyderabad	A		
		I					ABB	Bangalore	DR		
6	DCDB, ACDB, MLDB, ACFB, DCFB, LIGHTING PANEL, LOCAL CONTROL PANEL, (NON PLC), PB STATION, JB	I					Sources at Sl No. 5 are also acceptable.				For lighting transformer Refer sr no 16





Project	KAHALGAON-II (4 x 210 MW)
Package	R&M for ESP
Contractor	BHEL
Contractor No.	CS-4210-104A(R&M)-2

STATUS OF ITEM REQUIRING QP&
SUB-SUPPLIER APPROVAL
ESP R&M - ELECTRICAL

DOC NO. CS-4210-104A(R&M)-2
REV. NO. : 0
DATE : 18.05.2017

S.No	Item Services	QP/ Insp. Cat.	QP Sub. Schedule Approval schedule	Date of sub-mission	Date of commt Appl.	Status Code C/I/I	Proposed Sub Supplier	Place of manufacturing works	Approval Status	Sub-supplier detail submission-schedule	Remarks
							Pyrotech	Udaipur	A		
							Jackson	G. Noida	A		
							Control Devices	Calcutta	A		
							Positronics	Baroda	A		
							Switching Circuit	Calcutta	A		
							Jolly Engg	Calcutta	A		
7	LT Busduct						KGS Engg	Chennai	A		
							Spaceage	Gurgaon	A		
							G&S	Noida/Haridwar	A		RQP
							Unilec	Gurgaon	A		
							REEP	Chennai	A		
8	6.6 KV XLPE Power Cables						INCAB	Pune	A		
							UCL	Satna	A		
							KEI	Bhiwadi	A		
							NICCO	Shyamnagar	A		
							HAVELLS	Alwar	A		
							SHRIRAM CABLES	Bhiwadi	A		
							TORRENT	Nadiad	A		
							POLYCAB	Daman	A		
9	1.1 KV XLPE Power Cables						KEI	Bhiwadi	A		
							CORDS	Bhiwadi	A		
							Delton	Faridabad	A		Armoured Cables up to 3.5 X 240 SQMM .
							Paramount Cable	Khushkhera	A		
							Rallison	Bhiwadi	A		
							Universal Cable	Satna	A		
							INCAB	Pune	A		
							HAVELLS	Alwar	A		
							Radiant	Hyderabad	A		
							HVPL	Faridabad	A		
							Polycab	Daman	A		
							TORRENT	Nadiad	A		
							Nicco	Shyamnagar	A		
							Gemscab	Bhiwadi	A		
							KEC International	Vadodara	DR		
							Ravin Cable	Pune	A		
							Thermocables	Hyderabad	A		
							Suyog Cables	Vadodara	A		
							Sri Ram Cables	Bhiwadi	A		
							Sbee Cables	Bengaluru	A		
							Tirupati Plasomatics	Jaipur	A		
							Advance Cable	Bengaluru	A		



Project KAHALGAON-II (4 x 210 MW)
 Package R&M for ESP
 Contractor BHEL
 Contractor No. CS-4210-104A(R&M)-2

STATUS OF ITEM REQUIRING QP&
 SUB-SUPPLIER APPROVAL
 ESP R&M - ELECTRICAL

DOC NO. CS-4210-104A(R&M)-2
 REV. NO. : 0
 DATE : 18.05.2017

S.No	Item Services	QP/ Insp. Cat.	QP Sub. Schedule Approval schedule	Date of sub-mission	Date of commt Appl.	Status Code C/I/I	Proposed Sub Supplier	Place of manufacturing works	Approval Status	Sub-supplier detail submission schedule	Remarks
		I					Finolex Cable	Pune	A		
		I					Gupta Power	Bhubaneshwar	A		
							STEP Industries	Alwar	A*		*- Subject to CHP clearance for points raised for Daripali.
		I					Scott Innovation Wires and Cables	Baddi	A		
10	1.1 KV PVC Power Cable	I					Cords	Bhiwadi	A		
		I					Paramount	Khushkhera	A		
		I					Universal Cable	Salna	A		
		I					TORRENT	Nadiad	A		
		I					Rallison	Bhiwadi	A		
		I					Polycab	Daman	A		
		I					Nicco	Shyamnagar	A		
		I					Radiant Cable	Hyderabad	A		
		I					KEI	Bhiwadi	A		
		I					Gemscab	Bhiwadi	A		
		I					INCAB	Pune	A		
		I					HAVELLS	Alwar	A		
		I					HVPL	Faridabad	A		
		I					Dellon	Faridabad	A		ARMoured cable upto 3.6 C X 240 SQM
		I					TORRENT	Nadiad	A		
		I					INCAB	Pune	A		
							R.R. Kable	Silvassa	DR		
							Elkay Telelink	Faridabad	DR		
							KEC International	Vadodara	DR		
		I					Ravin Cable	Pune	A		
		I					Thermocables	Hyderabad	A		
		I					Suyog Cables	Vadodara	A		
		I					Sri Ram Cables	Bhiwadi	A		
		I					Sbee Cables	Bengaluru	A		
		I					Tirupati Plasomatics	Jalpur	A		
		I					Advance Cable	Bengaluru	A		
		I					Finolex Cable	Pune	A		
		I					Gupta Power	Bhubaneshwar	A		
							STEP Industries	Alwar	A*		*- Subject to CHP clearance for points raised for Daripali.
		I					Scott Innovation Wires and Cables	Baddi	A		
11	1.1 KV Control Cable	I					COROS Cable	Bhiwadi	A		
		I					HVPL	Faridabad	A		
		I					Gemscab	Bhiwadi	A		
		I					KEI	Bhiwadi	A		
		I					Radiant	Hyderabad	A		





Project KAHALGAON-II (4 x 210 MW)
Package R&M for ESP
Contractor BHEL
Contractor No. CS-4210-104A(R&M)-2

STATUS OF ITEM REQUIRING QP&
SUB-SUPPLIER APPROVAL
ESP R&M - ELECTRICAL

DOC NO. CS-4210-104A(R&M)-2
REV. NO. : 0
DATE : 18.05.2017

S.No	Item Services	QP/ Insp. Cat.	QP Sub. Schedule Approval schedule	Date of submission	Date of commt Appl.	Status Code C/I/I	Proposed Sub Supplier	Place of manufacturing works	Approval Status	Sub-supplier detail submission schedule	Remarks
		I					Rallison	Bhiwadi	A		
		I					Elkay Telelink	Faridabad	A		
		I					POLYCAR	Daman	A		
		I					NICCO	Shyamnagar	A		
		I					TORRENT	Nad'ad	A		
		I					Universal Cable	Satna	A		
		I					Delton	Faridabad	A		
		I					R.R. Cable	Silvassa	A		
		I					Paramount Cable	Alwar	A		
		I					HAVELLS	Alwar	A		
		I					Gupta Power	Bhubaneshwar	A		
		I					SPM cables	Hyderabad	A		
		I					Ravin Cables	Pune	A		
		I					Suyog Cables	Vadodara	A		
		I					Incab	Pune	A		
		I					RR Kabel	Silvassa	A		
		I					Thermocables	Hyderabad	A		
		I					Tirupati Plasomatics	Jaipur	A		
		I					Advance Cable	Bengaluru	A		
		I					Finolex	Pune	A		
		I					KEC International	Vadodara	DR		
		I					Sbee Cables	Bengaluru	A		
		I					STEP Industries	Alwar	A*		*- Subject to CHP clearance for points raised for Darlipali.
		I					Elkay Telelink	Faridabad	A		
		I					Scott Innovation Wires and Cables	Baddi	A		
12	Insulators (Bushing, Support, Shaft)	I					BHEL EPD	Bangalore	A		
13	Disconnecting Switch	II					BHEL Approved Sources				Insulator make shall be BHEL/WSVJS/UCE/ Aditya Birla
14	Flexible Cable Tray Supporting System	II					Steelite	Mumbai	A		SQP
		II					Inar Profiles Ltd	Ankapalli	A		GALVANISING AT VISAKHA STEEL ANAKAPALLI
		II					Indiana Gratings	Pune	A		SQP, GALVANISING AT POONA GALVANISER-PUNE
		II					Valco	Mumbai	A		SQP, GALVANISING AT SIGMA MUMBAI
		II					Amtech	Pune	A		SQP, GALVANISING AT NTPC APPROVED SOURCES
		II					Ind mark Formtech	Pune	A		
		II					Premier Power	Kolkata	A		Galvanising at NEPA
		II					Industrial Perforation	Calcutta	A		SQP
		II					Ratan	Bhagbatipur			SQP, NTPC approved galvanizing source
	Cable Tray	III					Ratan Engg	Calcutta	A		SQP, GALVANISING AT NTPC APPROVED SOURCES





Project	KAHALGAON-II (4 x 210 MW)
Package	R&M for ESP
Contractor	BHEL
Contractor No.	CS-4210-104A(R&M)-2

STATUS OF ITEM REQUIRING QP&
SUB-SUPPLIER APPROVAL
ESP R&M - ELECTRICAL

DOC NO.	CS-4210-104A(R&M)-2
REV. NO.	: 0
DATE	: 18.05.2017

S.No	Item Services	QP/ Insp. Cat.	QP Sub. Schedule Approval schedule	Date of submission	Date of commt Appl.	Status Code C/I/I	Proposed Sub Supplier	Place of manufacturing works	Approval Status	Sub-supplier detail submission schedule	Remarks
		III					Steelite	Mumbai	A		SQP
		III					Indiana Gratings	Pune	A		SQP, GALVANISING AT POONA GALVANISER-PUNE
		III					MJ Engg	Delhi/Bhiwadi	A		SQP
		III					India Electric Syndicate	Calcutta	A		SQP, GALVANISING AT NTPC APPROVED SOURCES
		III					Vetco	Mumbai	A		SQP, GALVANISING AT SIGMA MUMBAI
		III					Inar Profiles Ltd	Ankapally	A		GALVANISING AT VISAKHA STEEL ANAKAPALLI
		III					Jamna Metals	Delhi/Sonept	A		SQP
		III					Indiana	Mumbai	A		SQP, GALVANISING AT KARAMTARA
		III					Techno Engg	Chandigarh	A		SQP
		III					Anad udyog	Thane	A		SQP
		III					Industrial Perforation	Calcutta	A		SQP
		III					Calcutta Mfg	Calcutta	DR		SQP
		III					Ind mark Formtech	Pune	A		
		III					Premier Power	Kolkata	A		Galvanising at NEHA
		III					AV Engg	Kolkata	A		
		III					Ratan	Bhagbalpur	A		SQP, NTPC approved galvanizing source
		III					Amtech	Pune	A		SQP, Galvanizing at BG Shilke
		III					Rukmani	Raipur	A		
		III					Patny	Hyderabad	A		
		III					Unitech Fabricators & Engineers	Howrah/Hoogly (Kolkata)	A		
		III					Passive Infra	Ashsagarh (Rohtak)	A		
		III					Rabi Engg	Kolkata	A		SQP, NTPC approved galvanizing source
		III					T.R.G	Chennai	A		Galvanising at TN Radhakrishna Shetty & Co
							Indiana Cable trays	Mumbai	A		Galvanizing at Karamatara
16	Lighting Transformer (Epoxy Insulated)	II					Gujarat Plug in	Vadodara	A		SQP
		II					Prayog	Pune	A		SQP
		II					Indcoil	Mumbai	A		SQP
		II					Pragati	Thane	A		SQP
		II					Southern Elect	Chennai	A		SQP
		II					Pactl	Thane	A		SQP
		II					AE	Mumbai	A		SQP
		II					KPEL	Pune	A		SQP
17	Geared Motor for ESP	III					KEC	Solapur	A		
		III					LHP	Solapur	A		
		III					New Allenbury Works	Calcutta	A		
		III					PBL	V V Nagar	A		
		III					Internal Combustion	Aurangabad	A		





Project	KAHALGAON-II (4 x 210 MW)
Package	R&M for ESP
Contractor	BHEL
Contractor No.	CS-4210-104A(R&M)-2

STATUS OF ITEM REQUIRING QP&
SUB-SUPPLIER APPROVAL
ESP R&M - ELECTRICAL

DOC NO. CS-4210-104A(R&M)-2
REV. NO. : 0
DATE : 18.05.2017

S.No	Item Services	QPI Insp. Cat.	QP Sub. Schedule Approval schedule	Date of submission	Date of commt Appl.	Status Code O/I/I	Proposed Sub Supplier	Place of manufacturing works	Approval Status	Sub-supplier detail submission schedule	Remarks
		III					Bongifloi	Chennai	DR		
18	Panel Type Hopper Heater	II					HTD	USA	A		
		II					Hotroll EHS	USA	A		
		I					HTD HEAT TRACE(I) Pvt Ltd	Hyderabad	A		
		II					Thermon	USA	A		
		I					Thermopads(Unit-II)	Hyderabad	DR		
		I					Thermon	Pune	A		
19	Tubular Type Heater	III					BHEL Approved Sources				
20	Lighting Fixtures & Luminaries	III					Wipro	Pune	A		
		III					Crompton	Mumbai	A		
		III					Phillips	Pune	A		
		III					Bajaj	Mumbai	A		
21	Welding Receptacles	III					SCHNEIDER	Nasik	A		
		III					AJMER	Mumbai	A		
		III					Best & Crompton	Chennai	A		
		III					BCH	Faridabad	A		
22	Lighting Wires / GI Conduit	III					BIS Licensee		A		Any make with VDE or CE or UL or CSA marking or BIS approved with valid CML number.
23	Cable Gland	III					Arup Engg	Kolkata			Any other make with VDE or CE or UL or CSA marking or BIS approved with valid CML number.
		III					Sunil & Co	Kolkata	A		
		III					Quality Precision	Kolkata	A		
		III					Comet	Mumbai	A		
24	Lugs	III					Dowells	Mumbai	A		Any other make with VDE or CE or UL or CSA marking or BIS approved with valid CML number.
		III					Chetna	Nasik	A		
		III					3D	Umbergaon	A		
25	Emergency Light, Trefoll Clamps, Ceiling Fans	III					BHEL Approved Sources				
26	M.S. ROD, G.I. Flat, G.I. Wre, Earth Wire	III					BHEL Approved Sources				GALVANISING AT NTPC APPROVED SOURCES
27	Local Motor Starter Panels	III					SIEMENS	Mumbai			Any other make with VDE or CE or UL or CSA marking or BIS approved with valid CML number.
		III					L&T	Mumbai			
28	Limit Switches	III					KAKU BHILLAI	Chennai	N		Any other make with VDE or CE or UL or CSA marking or BIS approved with valid CML number.
		III					Jai Balaji	Chennai	N		
		III					AG System	Mumbai	N		
		III					Electromag	Mumbai	N		
		III					BCH	Faridabad	N		
29	HT Termination & Jointing Kits	III					3M	Pune	A		
		III					Raychem	Pune	A		
30	Fire sealing system - Type A Material supplier	III					3M India	Bangalore	A		
		III					GE Silicon	USA	A		



	Project	KAHALGAON-II (4 x 210 MW)	STATUS OF ITEM REQUIRING QP& SUB-SUPPLIER APPROVAL ESP R&M - ELECTRICAL	DOC NO.	CS-4210-104A(R&M)-2
	Package	R&M for ESP		REV. NO.	: 0
	Contractor	BHEL		DATE	: 18.05.2017
	Contractor No.	CS-4210-104A(R&M)-2			

S.No	Item Services	QP/ Insp. Cat.	QP Sub. Schedule Approval schedule	Date of sub-mission	Date of commt Appl.	Status Code C/I/I	Proposed Sub Supplier	Place of manufacturing works	Approval Status	Sub-supplier detail submission schedule	Remarks
		III					DOW Corning	USA	A		
31	Fire sealing system - Type B Material supplier	III					LLOYDS	Delhi	A		
		III					Signum	Nagpur	A		
		III					Vijay System Engineers Pvt Ltd	Mumbai	A		
32	Executing Agency for Fire sealing system	I					LLOYDS	Delhi	A		
		I					Signum	Nagpur	A		
		I					Vijay System Engineers Pvt Ltd	Mumbai	A		
		I					3M India	Bangalore	A		
33	FQP of electrical Equipment - (New & Replacement)	I					BHEL				
34	Interlocks for ESP	III					BHEL Approved Sources				
35	Containerised Sub-Station						To be proposed during detail Engg.				SUB QR ITEM

LEGENDS :

A - For those items proposed vendor is acceptable to NTPC, subject to meeting the NTPC Specification requirement. To be indicated with letter "A" in the list along with the condition of approval, if any. DR -- "Details required" for NTPC review. N - "NOTED"- For these items vendors are approved by Main Supplier and accepted by NTPC without specific vendor approval from NTPC. To be identified with 'NOTED'.

QP INSPECTION CATEGORY :

CAT - I : For those items, the Quality Plans are approved by NTPC and final acceptance will be on physical inspection and witness by NTPC.

CAT - II: For those items, the Quality Plans are approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis of review of documents.

CAT- III: For those items main supplier approves Quality Plan. The final acceptance by NTPC shall on the basis of Certificate of Conformance by main supplier.

Note- 1 : i) For Motors less than 30 KW: Acceptance of Motor less than 30 KW is based on COC of the Manufacturer and the Contractor confirming as follows: "It is hereby confirmed that the above mentioned motor /motors was/ were manufactured taking care of NTPC specific requirements regarding ambient temp., voltage & frequency variation, hot starts, pull out torque, starting KVA/KW, temp. rise, distance between centre of stud & gland plate and tested in accordance with approved drawing /data sheets".

ii) For Motors 30 KW and less than 50 KW : Acceptance of Motor rating from 30 KW & upto 50 KW is based on NTPC review of Routine Test inspection report as per IS: 325/applicable standards duly witnessed by main contractor along with COC of the Manufacturer and the Contractor confirming as follows: "It is hereby confirmed that the above mentioned motor /motors was/ were manufactured taking care of NTPC specific requirements regarding ambient temp., voltage & frequency variation, hot starts, pull out torque, starting KVA/KW, temp. rise, distance between centre of stud & gland plate, space heater and tested in accordance with approved drawing /data sheets". iii) For Motors 50 KW & above : AS PER NTPC APPROVED QUALITY PLAN (To be submitted separately for NTPC review & approval).

Note- 2 : This is indicative list. MAKES OF ANY ITEM WHICH IS NOT INCLUDED IN THE ABOVE LIST IS SUBJECT TO NTPC APPROVAL.

Note- 3 : In case of Galvanised JB, galvanisation shall be carried out at NTPC approved sources .

Note- 4 : Electrical items of Ash Handling System, if any will be tied up separately with accepted vendor for Ash handling Package.

FORMAT NO.: QS-D1-QAI-P-1/F3-R0



क. सा. का. गंधी पारिमलम
के.सी. गंधी पारिमलम / K. C. GANDHI PARIMALAM
उप निदेशक / Dy. General Manager / QA
नृपसुता / Quality Dept.
BHEL, BAP, Ranipet - 632 406.

ENGG. DIV /QAI

(S. N. T. P. R.)
NTPC

NTPC		PROJECT : R & M of Kahalgaon - I (2 x 210 MW)				LIST OF ITEMS REQUIRING QP			REF. NO : 4210-104A-R & M-2		
		PACKAGE : R & M of Kahalgaon - Stage - I				APPROVAL & ACCEPTABLE			REVISION NO : 00		
		CONTRACTOR : M/s BHEL				VENDOR AS APPROVED BY			DATE : 19/05/2017		
		CONTRACT NO : 4210-104A-R & M-2									
No.	Major Equipment	QP Inspection Category	QP No. 4210 104A-QVI-Q	QP Submission SCH	QP Approval SCH	Proposed Sub Supplier	Country	SS Approval Status	SS Detail Sub.SCH	SS Approval SCH	Remark
1	Instrument Cables (Screened)	I				Paramount	Khushkhera	A			PVC,FRLS type,SQP
		I				Polycab	Daman	A			PVC,FRLS type,SQP
		I				Delton	Faridabad	A			PVC,FRLS type,SQP
		I				KEI	Bhiwadi	A			PVC,FRLS type,SQP
		I				Elkey Telelinks	Faridabad	A			PVC,FRLS type,SQP
		I				CORDS	Bhiwadi	A			PVC,FRLS type,SQP
		I				CORDS	Kaharani	A			PVC,FRLS type,SQP
		I				Nicco	Kolkata	A			PVC,FRLS type,SQP
		I				Universal Cable	Salna	A			PVC,FRLS type,SQP
		I				Thermocables	Hyderabad	A			NTPC SQP
		I				CMi	Faridabad	A			NTPC SQP
		I				Reliance Engrs Ltd	Bengalure	DR**			
		I				Incab	Pune	DR**			
		I				Gupta Power Infra Sturcture Limited	KHURDA (Bhuvneshwar)	A			NTPC SQP
		I				Advance Cables	Bangalore	DR			
		I				TC Communications	Ghaziabad	A			NTPC SQP
		I				Elkey Telelinks	Faridabad	A			PVC,FRLS type,SQP
		I				Suyog Cables	Vadodra	DR			
		I				Special Cables	Rudrapur	A			NTPC SQP
		I				Mansfield	Noida	DR			
		I				KEC International	Vadodra	DR			
2	ESP Controllers(ARECA / INTELIRAP / STATCON (As applicable)	III				BHEL Ranipatke Approved Sources		Noted			
3	IOS Panel (Without Controller)	III				BHEL-EPD	Bangalore	A			
		III				Chemin Controls	Pondicherry	A			
		III				Controls & Schematics	Hyderabad	A			
		III				Sajas Electricals	Tirchy	DR			
		III				Prammen Industries	Pudukottai	A			
		III				Industrial Control & Appliances	Mumbai	A			



ॐ श्री गणेशाय नमः
 श्री कृष्ण प्रसाद / K. C. GANDHI PARIMALAM
 अथ जनरल / Dy. General Manager / QA
 गुणवत्ता / Quality Dept.
 BHEL, BAP, Ranipat - 632 406

N
 N MIN GANGLAR

NTPC		PROJECT : R & M of Kahalgaon - I (2 x 210 MW)				LIST OF ITEMS REQUIRING QP			REF. NO : 4210-104A-R & M-2		
		PACKAGE : R & M of Kahalgaon - Stage - I				APPROVAL & ACCEPTABLE			REVISION NO : 00		
		CONTRACTOR : M/s BHEL				VENDOR AS APPROVED BY			DATE : 19/05/2017		
		CONTRACT NO : 4210-104A-R & M-2									
No.	Major Equipment	QP Inspection Category	QP No. 4210- 104A-QVI-Q	QP Submission SCH	QP Approval SCH	Proposed Sub Supplier	Country	SS Approval Status	SS Detail Sub.SCH	SS Approval SCH	Remark
4	Electronic transmitters (pressure, DP & flow)	III				EMERSON (Rosemount)	USA/ Pawane	A			
		III				Fuji Electric	China	A			
		III				YOKOGAWA	Bangalore	A			EJA-E Series - 110, 430, 530
		III				ABB	FARIDABAD	A			Model - 2600 T
		III				Siemens	France / Kolwa	A			
		III				Honeywell	Pune	A			
5	Thermocouples, RTD & Thermowell	III				WIKA	Pune	A			
		III				Detriv Instrumentation & Electronics Ltd	Mumbai	A			
		III				EMERSON (Rosemount)	Pawane	A			
		III				GOA Instrument Industries	GOA	A			
		III				Minco	USA	A			
		III				OKAZAKI	JAPAN	A			
		III				Pyroelectric	Goa	A			
		III				Techno Instruments	Ahamadabad	A			
		III				Tempsens	Udaipur	A			
		III				Thermal Instruments(GIC)	Savantwadi	A			
		III				Gauges Burden	Panvel	A			
6	Ash Level indicator	III				BHEL	Ranipet	A			
		-				SBEM	Pune	DR			
		-				EIP Technologies	Noida	DR			
		II				EIP Enviro Controls	Noida	A			NTPC RQP
		II				Flow Star	Faridabad	A			NTPC RQP
		II				Nivo controls	Indore	A			
		II				Jayshree Electron	Pune	A			



K.C. GANDHI PARIMALAM
 General Manager / QA
 Quality Dept.
 BHEL, Ranipet - 632 496.

NTPC		PROJECT : R & M of Kahalgaon - I (2 x 210 MW)				LIST OF ITEMS REQUIRING QP			REF. NO : 4210-104A-R & M-2		
		PACKAGE : R & M of Kahalgaon - Stage - I				APPROVAL & ACCEPTABLE			REVISION NO : 00		
		CONTRACTOR : M/s BHEL				VENDOR AS APPROVED BY			DATE : 19/05/2017		
		CONTRACT NO : 4210-104A-R & M-2									
No.	Major Equipment	QP Inspection Category	QP No. 4210 104A-QVI-Q	QP Submission SCH	QP Approval SCH	Proposed Sub Supplier	Country	SS Approval Status	SS Detail Sub.SCH	SS Approval SCH	Remark
7	Dust Emission Monitor (Opacity)	III				Land Combustion	UK	A			Minor Items like canopy etc manufactured in India and supplied indian Representative
		III				Durag	Germany	A			
		III				Sick Mathak	Germany	A			
		III				Emerson Process Management	Ireland	A			
		III				Codel	UK	A			Through Fobes marshall-pune Minor Items like canopy etc manufactured in India and supplied indian Representative
		II				Forbes Marshall	Pune	A			Main kit from M/s Codel, UK
8	PLC Based control system for Ash handling system	I				Forbes Marshall	Pune	A			
		I				GE Intelligent platforms	Bangalore	A			
		I				ABB	Bangalore	A			
		I				Schneider	Nasik	A			
		I				Rockwell	Sahibabad	A			
		I				Siemens	Nasik	A			
9	PC Monitor Printer for ESP	III				BHEL Approved Vendors					
10	Any other items like PC termination box, PC Add on Cards, Simulator for Areca, Common Interface Module etc	III				BHEL Approved Vendors					
11	FQP for C and I items covering EPMS Controller, EPMS, Ash level Integrator etc					BHEL					




 K. C. GANDHI
 Dy. General Manager / QA
 BHEL, BAP, Ranipet - 632 406.

NTPC		PROJECT : R & M of Kahalgaon - I (2 x 210 MW)					LIST OF ITEMS REQUIRING QP			REF. NO : 4210-104A-R & M-2	
		PACKAGE : R & M of Kahalgaon - Stage - I					APPROVAL & ACCEPTABLE			REVISION NO : 00	
		CONTRACTOR : M/s BHEL					VENDOR AS APPROVED BY			DATE : 19/05/2017	
		CONTRACT NO : 4210-104A-R & M-2									
No.	Major Equipment	QP Inspection Category	QP No. 4210- 104A-QVI-Q	QP Subm ission SCH	QP Appr oval SCH	Proposed Sub Supplier	Country	SS Approv al Status	SS Detail Sub.SCH	SS Approva l SCH	Remark

LEGENDS :**1.0 SYSTEM SUPPLIER / SUB SUPPLIER APPROVAL STATUS CATEGORY (SHALL BE FILLED BY NTPC)**

A - For those items proposed vendor is acceptable to NTPC. To be indicated with letter "A" in the list along with the condition of approval, if any.

DR - For those items "Detailed Required" for NTPC review. To be identified with letter "DR" in the list.

DR ** - Proposed sub-contractor have been approved in the past but have not supplied to NTPC in last five years. . To be identified with letter "DR**" in the list

2.0 QP 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 shall be done by NTPC. The final acceptance by NTPC shall be on the basis of review of documents.

CAT - III : The final acceptance by NTPC shall be on the basis of Certificate of Conformance by main supplier.

UNITS/WORKS : Place of manufacturing- Place of main supplier of multi units/works.

* - Inspection category will be decided during vendor evaluation.

NOTE - 1 : For the items not appearing in the preaward list, bidder and NTPC will mutually discussed in future.

FORMAT NO. : QS-01-QAI-P-
1/PS-RO

Engg.
D/WQA&I




 K. C. GANDHI PARIMALAN
 Dy. General Manager / QA
 BHEL, Ranipet - 632 406.
 (GURPREET SINGH)


 NITIN GANGWAR
 NTPC

NTPC approved sub-vendor list for civil items

ANNEXURE-I

	PROJECT: Kahalgaon STPP stage-I (4X210 MW)		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL			NTPC DOC NO	CS-4210-104A (R&M)-2
	PACKAGE: UPGRADATION & RENOVATION OF ESP					REV. NO.	
	MAIN SUPPLIER: BHEL		SUB SYSTEM: CIVIL WORKS			DATE	01.02.2017
	CONTRACT NO.:						
SR. NO.	ITEM	QAP / INSP. CAT	QAP NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
1.	CEMENT	III	-	CCI	-	N	
				GUJARAT AMBUJA	-	N	
				JK LAXMI	-	N	
				JAYPEE	-	N	
				GRASIM	-	N	
				BIRLA	-	N	
				LAFARGE	-	N	
				ACC	-	N	
				SHREE	-	N	
				INDIA CEMENT	-	N	
				PENNA CEMENT	-	N	
				MADRAS CEMENT	-	N	
				PRISM	-	N	
				ULTRATECH	-	N	
				ORIENT	-	N	
				MANCHERIAL	-	N	
				JSW	-	N	
				ANDHRA CEMENT	-	N	
				PARASHAKTI	-	N	
				SAGAR	-	N	
				MAIHAR	-	N	
				BHARTHI CEMENT		N	
				CHETTINAD CEMENT		N	
				KONARK		N	
				MY HOME INDUSTRIES		N	
				ZUARI CEMENT		N	

[Signature]

[Signature]

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ANNEXURE-I

	PROJECT: Kahalgaon STPP stage-I (4X210 MW)		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL				NTPC DOC NO	CS-4210-104A (R&M)-2
	PACKAGE: UPGRADATION & RENOVATION OF ESP						REV. NO.	
	MAIN SUPPLIER: BHEL		SUB SYSTEM: CIVIL WORKS				DATE	01.02.2017
	CONTRACT NO.:							
SR. NO.	ITEM	QAP / INSP. CAT	QAP NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS	
				KESORAM CEMENT	-	N		
				DECCAN CEMENT LTD	-	N		
				MANIKGARH	-	N		
2.	CONSTRUCTION CHEMICALS - ADMIXTURES, PLASTISIZERS, RETARDERS WATER PROOFING COMPOUNDS GROUTS	III	-	SIKA INDIA LTD	-	N		
				CICO TECHONOLOGIES LTD	-	N		
				FOSROC CHEMICALS (I) PVT LTD	-	N		
				BASF	-	N		
3.	FALSE CEILING - GLASS REINFORCED GYPSUM SYSTEM, MINERAL FIBRE BOARD SYSTEM, PREPAINTED COIL COATED STEEL SYSTEM	III	-	SAINT GOBAIN	NEW DELHI	N		
				HUNTER DOUGLOUS	MUMBAI	N		
				TIGER STEEL	PUNE/MUMBAI	N		
				INTERARCH	NOIDA	N		
				LLOYD INSULATION	-	N		
				MG INDUSTRIES	FARIDABAD	N		
				ARM STRONG	NEW DELHI	N		
4.	PAINT AND PAINTING SYSTEM	III	-	BERGER	-	N		
				SHALIMAR PAINTS	-	N		
				JENSON AND NICHOLSON	-	N		
				KANSAI NEROLAC	-	N		
				AKZO NOBEL	-	N		
				ASIAN PAINTS	-	N		
5.	COLOUR COATED SHEET (FOR COIL)	I	-	UNION STEEL	KOREA	A		
				DONGBU STEEL	KOREA	A		
				BHUSHAN STEEL AND STRIPS LTD.	RAIGAD	A		
				ESSAR STEEL LTD	PUNE	A		

	PROJECT: Kahalgaon STPP stage-I (4X210 MW)	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL				NTPC DOC NO	CS-4210-104A (R&M)-2
	PACKAGE: UPGRADATION & RENOVATION OF ESP					REV. NO.	
	MAIN SUPPLIER: BHEL	SUB SYSTEM: CIVIL WORKS				DATE	01.02.2017
	CONTRACT NO.:						
SR. NO.	ITEM	QAP / INSP. CAT	QAP NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
				NATIONAL STEEL AND AGRO	DHAR	A	
				JSW STEEL COATED PRODUCTS LTD	KAMLESHWAR	A	Formerly JSW ISPAT Steel Ltd
				BHUSHAN STEEL LTD.	SAHIBABAD	A	
				JSW LTD	THANE	A	
				BHUSHAN POWER & STEEL LTD	SAMBALPUR (ODISHA)	A	
				TATA BLUESCOPE STEEL LTD	JAMSHEDPUR	A	*AL-ZN COIL FOR CLADDING
6.	PROFILERS FOR DECKING SHEETS	I		UNIMET PROFILES LIMITED	DHARUHERA	A	
				MULTICOLOUR STEEL INDIA LIMITED	GURGAON	A	
				ISOLLOYD	SOLAN	A	
				NATIONAL STEEL AND AGRO	DHAR	A	
				ERA BUILD SYS	RUDRAPUR	A	
				TATA BLUE SCOPE	PUNE	A	HINJEWARI WORKS
				TATA BLUE SCOPE	BHIWADI	A	
				PENNAR INDUSTRIES	HYDERABAD	A	
				METALKRAFT FORMING INDUSTRIES PVT. LTD.	MEDAK (AP)	A	
				BHUSHAN POWER & STEEL LTD	SAMBALPUR (ODISHA)	A	
				ALFA STEEL BUILDING SOLUTIONS	HOSUR	A	
7.	PROFILERS FOR CLADDING SHEETS	I		MULTICOLOUR STEEL INDIA LIMITED	GURGAON	A	
				UNIMET PROFILES LIMITED	DHARUHERA-HARYANA	A	



Signature

Rajadav

ANNEXURE-I

PROJECT: Kahalgaon STTP stage-I (4X210 MW)		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL				NTPC DOC NO	CS-4210-104A (R&M)-2
PACKAGE: UPGRADATION & RENOVATION OF ESP						REV. NO.	
MAIN SUPPLIER: BHEL		SUB SYSTEM: CIVIL WORKS				DATE	01.02.2017
CONTRACT NO.:							
SR. NO.	ITEM	QAP / INSP. CAT	QAP NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
				ERA BUILD SYS	RUDRAPUR	A	
				TATA BLUE SCOPE	PUNE	A	HINJEWARI WORKS
				TATA BLUE SCOPE	BHIWADI	A	
				PENNNAR INDUSTRIES	HYDERABAD	A	
				ALFA STEEL BUILDING SOLUTIONS	HOSUR	A	
				ISOLLOYD	SOLAN	A	
				METALKRAFT FORMING INDUSTRIES PVT. LTD.	MEDAK (AP)	A	
				BHUSHAN POWER & STEEL LTD	SAMBALPUR (ODISHA)	A	
				NATIONAL STEEL AND AGRO	DHAR	A	
8.	ELECTROFORGED GRATING	II		INDIANA GRATING	PUNE	A	
				PREMIER POWER PRODUCTS (CALCUTTA) PVT LTD	HOWRAH	A	
				GREATWELD	PUNE	A	
				BHOLA RAM STEELS	PATNA	A	
				ANKIT ELECTROGRATING	RAIPUR	A	
				KANADE ANAND UDYOG	THANE	A	
				SUTTATTI ENTERPRISES	PUNE	A	
				PINAX STEEL INDUSTRIES	PATNA	A	
9.	GI PIPES	III	-	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	N	
10.	PVC WATER STOP	III	-	DURON POLYVINYL PVT. LTD	GURGAON	N	
				KANTA RUBBER	HYDERABAD	N	



	PROJECT: Kahalgaon STPP stage-I (4X210 MW)	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL				NTPC DOC NO	CS-4210-104A (R&M)-2
	PACKAGE: UPGRADATION & RENOVATION OF ESP					REV. NO.	
	MAIN SUPPLIER: BHEL	SUB SYSTEM: CIVIL WORKS				DATE	01.02.2017
	CONTRACT NO.:						
SR. NO.	ITEM	QAP / INSP. CAT	QAP NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
				MARUTI RUBBER	NOIDA	N	
				JYOTI POLYVINYL	VADODARA	N	
				DEEP-JYOTI RUBBER PVT LTD	NOIDA	N	
11.	BITUMEN ASPHALT	III	-	ALL GOVERNMENT REFINARIES	-	N	
12.	PLASTIC/ PVC PIPES	III	-	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	N	
13.	BITUMEN IMPREGNATED FIBER BOARD JOINT FILLER, BITUMEN SEALING COMPOUND	III	-	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	N	
14.	ALUMINUM COMPOSITE CLADDING	III	-	INDOMAX	ROORKEE	A	
				ALSTONE	DEHRADUN	A	
15.	CERAMIC / VITRIFIED TILES	III	-	KAJARIA	-	N	
				SOMANY	-	N	
				SPARTEK INDIA	-	N	
				NITCO	-	N	
				ORIENT BELL	-	N	
				MARBITO	-	N	
				RESTILE	-	N	
				JOHNSON	-	N	
16.	ACID / ALKALI RESISTANCE TILES, AR BRICKS, AR CEMENT (POTASSIUM SILICATE BASED CEMENT MORTAR, PHENOLIC BASED RESIN CEMENT) AR BITUMASTIC	III	-	CARBORANDUM UNIVERSAL	CHENNAI	N	
				GOOD EARTH MINERALS	MORBI	N	
				PELICAN	BHIWADI	N	
				CAMBRIAN	ALWAR	N	
				KERATECH	VADODARA	N	
				CHAMPION CERAMICS	CHAMPA	N	



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 NTPC	PROJECT: Kahalgaon STPP stage-I (4X210 MW)	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL				NTPC DOC NO	CS-4210-104A (R&M)-2
	PACKAGE: UPGRADATION & RENOVATION OF ESP					REV. NO.	
	MAIN SUPPLIER: BHEL	SUB SYSTEM: CIVIL WORKS				DATE	01.02.2017
	CONTRACT NO.:						
SR. NO.	ITEM	QAP / INSP. CAT	QAP NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
				SUNSHINE CERAMICS	CHAMPA	N	
				MAHAKOSHAL POTTRIES	KATNI	N	
				PERFECT ACID WARE	JABALPUR	N	
				BABA BAIDNATH REFRACTORIES	PURULIA	N	
				NAVAIR INTERNATIONAL LTD.	NEW DELHI	N	
17.	FIRE PROOF DOORS	III	-	SHAKTI MET DOOR	HYDERABAD	N	Prototype tested from CBRI/CPRI
				SUPER STEEL	DELHI	N	
				SIGNUM FIRE PROTECTION	NAGPUR	N	
				RADIANT SAFE DOORS	AHMEDABAD	N	
				NOVAPAN	-	N	
18.	PARTICLE BOARDS, PLYWOOD, MDF	III	-	ECOBBOARD	-	N	
				BHUTAN BOARD	-	N	
				KITPLY	-	N	
				CENTURY	-	N	
				GREEN PLY	-	N	
				DUROPLY	-	N	
				MERINO	-	N	
19.	ALUMINUM SECTIONS	III	-	INDALCO	-	N	
				BALCO (VEDANTA)	-	N	
				NALCO	-	N	
				ALOM EXTRUSIONS LTD	-	N	
				JINDAL	-	N	

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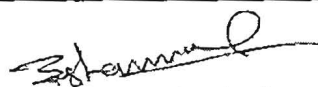
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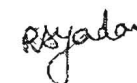


	PROJECT: Kahalgaon STPP stage-I (4X210 MW)		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL			NTPC DOC NO	CS-4210-104A (R&M)-2
	PACKAGE: UPGRADATION & RENOVATION OF ESP					REV. NO.	
	MAIN SUPPLIER: BHEL		SUB SYSTEM: CIVIL WORKS			DATE	01.02.2017
	CONTRACT NO.:						
SR. NO.	ITEM	QAP / INSP. CAT	QAP NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
20.	HIGH SOLID CONTENT LIQUID APPLIED URETHANE BASED ELASTOMERIC MEMBRANE FOR WATER PROOFING	III	-	STP	-	N	
				IWL INDIA LTD	-	N	
				LLOYDS	-	N	
				CICO TECHONOLOGIES LTD	-	N	
				MK PETRO	-	N	
21.	SANITARY ITEMS	III		PARRYWARE	-	N	
				HINDWARE	-	N	
				SEABIRD	-	N	
				ORIENT	-	N	
				HINDUSTAN	-	N	
				CERA	-	N	
22.	CP BRASS TAP AND OTHER SANITARY FITTINGS	III	-	GEM	-	N	
				PARKO	-	N	
				JAQUAR	-	N	
				MARC	-	N	
23.	POLYTHENE WATER STORAGE TANKS	III	-	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	N	
24.	RCC PIPES	III	-	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	N	
25.	POLYCARBONATE SHEETS	III	-	GE PLASTIC (SABIC)	-	N	
			-	BAYER (MAKROLON)	-	N	
26.	PTFE BEARING / ELASTOMERIC BEARING	III		ALL CURRENT MORTH / RDSO APPROVED VENDORS		N	
27.	CI PIPES	III	-	BIS APPROVED SOURCES HAVING VALID BIS LICENCE		N	
28.	MINERAL WOOL FOR THERMAL	I		ROCKWOOL INDIA LTD.	HYDERABAD	A*	A*: subject to

ANNEXURE-I

	PROJECT: Kahalgaon STPP stage-I (4X210 MW)		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB- SUPPLIER APPROVAL			NTPC DOC NO	CS-4210-104A (R&M)-2
	PACKAGE: UPGRADATION & RENOVATION OF ESP					REV. NO.	
	MAIN SUPPLIER: BHEL		SUB SYSTEM: CIVIL WORKS			DATE	01.02.2017
	CONTRACT NO.:						
SR. NO.	ITEM	QAP / INSP. CAT	QAP NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY	REMARKS
	INSULATION			PUNJSTAR INSULATION FIBRE COMPANY	BHILAI	A	carrying out K-value test at CBRI Roorkee / NTPC approved lab.
				LAPINUS	MALANPUR (MP)	A*	
				MINWOOL	RAJANANDGAON	A*	
				LLOYD INSULATION	BHILAI	A*	
				SHREERAM EQUITECH PVT. LTD.	DURG	A	
				GOENKA ROOKWOOL (I) PVT. LTD.	RAIPUR	A	
				U.P. TWIGA	BULENDSHAHAR	A	
29.	FOUNDATION BOLT/ STRUCTURE HARDWARE	III	-	MAIN CONTRACTOR APPROVED SOURCES		N	
30.	MS PIPES (IS:3589, WELDED PIPES)	III		BIS APPROVED SOURCES HAVING VALID BIS LICENCE		N	
LEGENDS: 1. SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY (SHALL BE FILLED BY NTPC) A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter "A" in the list along with the condition of approval, if any. DR – For these items "Details required" for NTPC review. To be identified with letter "DR" in the list. 'N' NOTED – For these items vendors are approved by Main Supplier and accepted by NTPC without specific vendor approval from NTPC. To be identified with 'NOTED.' 2. QP/INSPN CATEGORY: CAT-I : For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. CAT-II: For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved quality plan. CAT-III: For these items Main Supplier approves the Quality Plans. UNITS/ WORKS: Place of manufacturing Place of Main Supplier of multi units/works.							
NOTE 1: For the Items placed in CAT-III for Civil Works, the review and final acceptance shall be done by NTPC-EIC/ FQA on the basis of MTC / certificate of conformance in line with Indicative FQP / Technical Specifications.							


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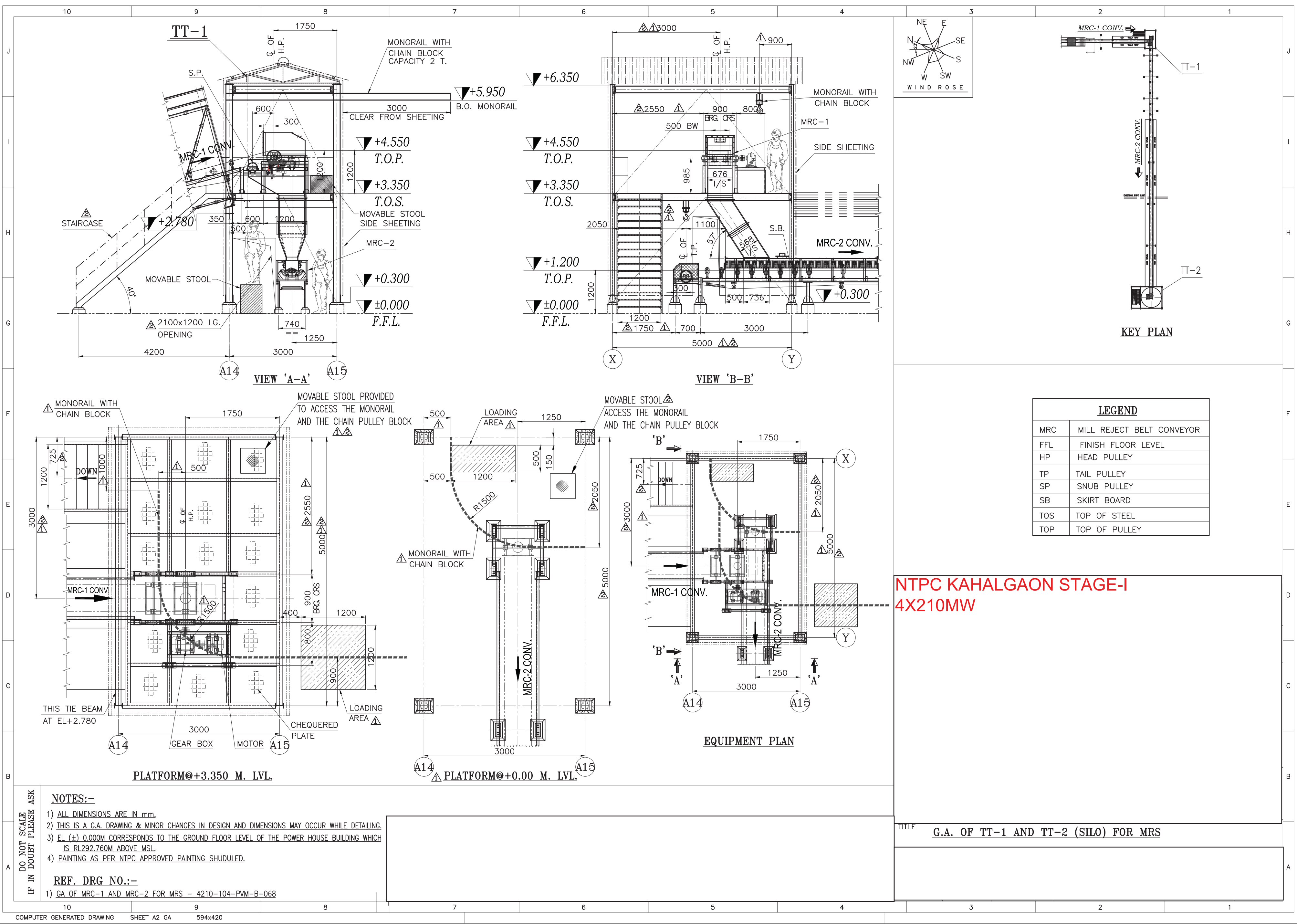
			MANUFACTURING QUALITY PLAN							Project : NTPC KAHALGAON STPS STAGE-I (4 X 210 MW)					
			ITEM: Misc. Fabricated Items (Technological Structure) of MRS (CAT-III)						Page 1 of 2		Package : MRS				
Sl No.	Components /Operation	Characteristics/Check	Class	Type/Method of check	Quantum of check		Reference DOC	Acceptance Norms	Format of Record	Agency				Remarks	
					M	C/N				D	M	C	N		
A RAW MATERIALS															
A.1	Structural steel, Plates, Section, Bars etc.	Dimension	Major	Meas	100%		Apprvd Drg /Tech. Spec.	Apprvd Drg /Tech. Spec.	IR		P	V	Corelated Mill TC to be submitted for review. Refer Note 1 Raw material shall be procured directly from NTPC approved sources		
		Chemical Composition	Major	Lab TC/MTC	1/heat				Lab TC/MTC	✓	P	V			
		Mechanical Properties	Major	Lab TC/MTC	1/Heat		Lab TC/MTC	✓	P	V					
		Internal Flaw (UT on plate >40mm thk)	Major	UT report	100%		ASTM A578 LEVEL B-S2	ASTM A578 LEVEL B-S2	UT Report	✓	P	V			
B IN-PROCESS INSPECTION.															
B.1	Marking & Cutting	Completeness	Major	Visual	100%		Apprvd Drg /Tech. Spec.	Apprvd Drg /Tech. Spec.	IR		P	V			
		Dimension	Major	Meas	Random				IR		P	V			
B.2	Fit-up structure	Edge Preparation	Major	Visual	100%		ASME Section-IX	ASME Section-IX	IR		P	V	WPS shall be approved by Main Contractor (BHEL) & welders qualified by Main Contractor (BHEL)/ BVQI/Lloyd's/TUV shall be deployed		
		Fit up	Major	Visual	100%				IR		P	V			
		Dimensions	Major	Meas.	100%				IR		P	V			
B.3	Welding	WPS, PQR & WPQ	Major	Review	100%		ASME Section-IX	ASME Section-IX	Record	✓	P	V			
		Size	Major	Meas.	100%		Apprvd. Drg./Tech. Spec.		IR	✓	P	V			
		Weld Defects													
		i) Butt Weld	Major	UT	10%	10%	ASME SEC VIII, Appendix 12	UT Report	✓	P	W				
			Major	DPT	100%	10%	ASME SEC VIII, Appendix 8	PT Report	✓	P	W				
		ii) Fillet Weld	Major	DPT	10%	10%	ASME SEC VIII, Appendix 8	PT Report	✓	P	W				
			LEGEND: Records identified with (✓) shall be essentially included by supplier in O.A. document. M : Manufacturer C : BHEL / Authorized inspection agency N : NTPC ; W : Witness ; P : Perform ; V : Verify IR : Inspection Report ; TC : Test Certificate; MTC: Mill Test Certificate UT: Ultrasonic Test; DPT: Dye Penetrant Test							REVIEWED BY BHEL		APPROV. BY NTPC		SEAL	
								FOR NTPC USE							

			MANUFACTURING QUALITY PLAN							Project : NTPC KAHALGAON STPS STAGE-I (4 X 210 MW)				
			ITEM: Misc. Fabricated Items (Technological Structure) of MRS (CAT-III)					Page 2 of 2		Package : MRS				
Sl No.	Components /Operation	Characteristics/Check	Class	Type/Method of check	Quantum of check		Reference DOC	Acceptance Norms	Format of Record	Agency				Remarks
					M	C/N				D	M	C	N	
C	FINAL INSPECTION	Completeness	Major	Visual	100%	10% randomly from offered lot	Apprvd Drg /Tech. Spec.	Apprvd Drg /Tech. Spec.	IR	✓	P	W		
		Dimensions	Major	Measurement					IR	✓	P	W		
		Match marking	Major	Visual					IR	✓	P	W		
		identification	Major	Visual					IR	✓	P	W		
D	Surface Preparation & painting	Visual & Measurement	Major	Random	100%		Approved Painting Schedule	Approved Painting Schedule	IR & Paint Report	✓	P	V		
1. Latest guidelines for procurement of structural steel shall be followed as per (Tendor Specification)Technical Specification & Annexure-I														
			LEGEND: Records identified with (✓) shall be essentially included by supplier in Q.A. document. M : Manufacturer C : BHEL / Authorized inspection agency N : NTPC ; W: Witness ; P: Perform ; V: Verify IR : Inspection Report ; TC: Test Certificate; MTC: Mill Test Certificate UT: Ultrasonic Test; DPT: Dye Penetrant Test						REVIEWED BY BHEL		APPROV. BY NTPC		SEAL	
							FOR NTPC USE							

ANNEXURE-I

Main Contractor/Sub vender procuring the materials	Test Certificates	Invoice (at the time of offering the material)	Test Reports	Requirements of Check Tests	Grade Identification through PMI
Directly from Approved Manufacturer	Yes	Yes	In the name of main contractor/sub-vender	-----	-----
From Authorized Agent See Note-1	Yes	Invoice In the name of agent	In the name of the Agent	Yes Dimensional checks	Yes
From trader (who must source the material directly from authorized agent)	Yes	Invoice In the name of trader issued by the Authorized agent/ Approved Manufacturer	Yes	Yes All the test as per applicable. Code.(expect hydro test)	Yes

Note-1: Authorized Agents: They are the entities who are authorized and declared by any approved manufacturer to stock, distribute and /or sale of raw material on behalf of the approved manufacturer. Such an authorized agent is to possess letter from approved manufacturer to this effect, a copy of which is to be submitted by main contractor/ sub-vender while seeking material clearance



NTPC KAHALGAON STAGE-I
4X210MW

TITLE
G.A. OF TT-1 AND TT-2 (SILO) FOR MRS