



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 02

Ref: PSER:SCT:SAL-M1418:TCN-02

Date: 22-01-2013

Sub	Tender change notice (TCN) 02	
Job	PART-A: Civil and structural works for FGD system of 3x250 MW Bongaigaon TPP/ NTPC, including supply of all materials, labour, tools and plants, etc as required for completion of the job. PART-B: Complete work of handling including receipt of materials from BHEL/client's stores/storage yard, arranging their issue, site transportation, temporary storage prior to erection, if required, cleaning, transportation to site preservative painting, pre-assembly, erection, alignment, welding, leveling, adjustment, chipping & leveling of foundation, all pre-commissioning tests, commissioning, start-up and trial operation and handing over of total flue gas Desulphurisation Plant of 3x250 MW Bongaigaon TPP/NTPC.	
Ref	1.0	Tender No. PSER:SCT:SAL-M1418:12
	2.0	BHEL's NIT, vide reference no PSER:SCT: SAL-M1418: 3074, dated 27-12-2012
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:SAL-M1418:TCN-01, dated 17-01-2013.
	4.0	All other pertinent issues till date.

With reference to above, following points/ documents, relevant to tender, may please be noted and complied with while submitting offer.

- 1.0 Sub-vendor (suggestive) list of Civil works as per attached Annexure-I.
- 2.0 The drawings issued with the NIT is for information & tendering purpose. The Contractor shall execute the works as per approved drawings furnished during execution.
- 3.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 4.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

ENGR(SCT)

Encl

- 1.0 As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796

ANNEXURE-I TO TCN-02

Bongaigaon (3x250MW) - Subvendor list for Civil Works of FGD Pkg. ANNE

Package : SG with ESP Package for Bongaigaon TPP		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			Doc. No.:	Rev. No.:
Supplier : M/s BHEL		SUB-SYSTEM : CIVIL WORKS			Date :	0
Contract No. : CS-4610-101-2					Page :	
SUB NO	ITEM	QP NO	PROPOSED MANUFACTURER	PLACE	APPROVAL STATUS	REMARKS
1A	FQP FOR CIVIL WORKS	4610-101-QVC-G-001	Main Contractor/Sub-Contractor/Associate	-	-	REFER TO BID DOCUMENT
1B	ESP PKG - STRUCTURAL STEEL WORKS (MAIN PLANT & SITE)	PROPOSED QP NO	Main Contractor	-	-	REFER TO BID DOCUMENT
3	CEMENT (if procured by Contractor)	-	CCI	-	N	
		-	GUJARAT AMBUJA	-	N	
		-	JK LAXMI	-	N	
		-	JAYPEE	-	N	
		-	GRASIM	-	N	
		-	BIRLA	-	N	
		-	LAFARGE	-	N	
		-	ACC	-	N	
		-	SHREE CEMENT	-	N	
		-	INDIA CEMENT	-	N	
		-	ULTRATECH	-	N	
4	REINFORCEMENT AND STRUCTURAL STEEL (if procured by Contractor)	-	STEEL AUTHORITY OF INDIA LTD	-	N	
		-	TATA IRON & STEEL CO LTD	-	N	
		-	INDIAN IRON & STEEL CO LTD	-	N	
		-	RASHITRYA ISPAT NIGAM LTD	-	N	
		-	ESSAR STEEL LTD	-	N	
		-	ISPAT INDUSTRIES LTD	-	N	
		-	JSW STEEL LTD	-	N	
		-	LLOYDS STEEL LTD	-	N	
		-	JAI BALAJI INDUSTRIES	DURGAPUR (WB)	N	Only TMT 8 to 40 mm size
		-	JINDAL STEEL AND POWER LTD	-	N	
5	CONSTRUCTION CHEMICALS - ADMIXTURES, PLASTISIZERS, RETARDERS, WATER PROOFING COMPOUNDS, GROUTS, RESINS, EPOXY ETC.	-	SIKA INDIA LTD	KOLKATA	N	
		-	CICO TECHONOLOGIES LTD	GURGAON	N	
		-	FOSROC CHEMICALS (I) PVT LTD	ANKELESHWAR	N	
		-	BASF	MUMBAI	N	
		-	STRUCTURAL WATERPROOFING CO LTD	-	N	
6	PAINT AND PAINTING SYSTEM	-	BERGER	MUMBAI	N	
		-	ICI	-	N	
		-	SHALIMAR PAINTS	MUMBAI	N	
		-	JENSON AND NICHOLSON	-	N	
		-	KANSAI NEROLAC	MUMBAI	N	
		-	SNOWCEM INDIA LTD	-	N	
		-	AKZO NOBEL	BANGALORE	N	
		-	ASIAN PAINTS	-	N	
7	FALSE CEILING - GLASS REINFORCED GYPSUM SYSTEM, MINERAL FIBRE BOARD SYSTEM, PREPAINTED COIL COATED STEEL SYSTEM	-	SAINT GOBIAN	NEW DELHI	N	GYPSUM FALSE CEILING
		-	HUNTER DOUGLOUS	MUMBAI	N	
		-	TIGER STEEL	PUNE/MUMBAI	N	
		-	KIRBEY	HYDERABAD	N	
		-	INTERARCH	NOIDA	N	

ANNEXURE-I TO TCN-02

ANNEXURE - IA

		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			Doc. No.:	
Package :					Rev. No.:	0
Supplier :		SUB-SYSTEM : CIVIL WORKS			Date :	
Contract No. :					Page :	
SUB NO	ITEM	QP NO	PROPOSED MANUFACTURER	PLACE	APPROVAL STATUS	REMARKS
		-	LLOYD INSULATION	-	N	
		-	INDIA GYPSUM	-	N	
		-	MG INDUSTRIES	-	N	
		-	ARM STRONG	NEW DELHI	N	
8	COLOUR COATED SHEET(FOR COIL)*	-	UNION STEEL	KOREA	A	
		-	DONGBU STEEL	KOREA	A	
		-	BLUE SCOPE STEEL	AUSTRALIA	A	
		-	BHUSHAN STEEL AND STRIPS LTD.	RAIGAD	A	
		-	ESSAR STEEL LTD	PUNE	A	
		-	NATIONAL STEEL AND AGRO	DHAR	A	
		-	ISPAT INDUSTRIES	NAGPUR	A	
		-	TATA BLUE SCOPE	JAMSHEDPUR	DR	
		-	BHUSHAN	GHAZIABAD	A	
		-	JSW ITD	THANE	A	
9 (i)	PROFILERS FOR DECKING SHEETS*	4610-101-QVC-Q-001	UNIMET PROFILES LIMITED	DHARUHERA-	A	
			MULTICOLOUR STEEL INDIA LIMITED	NEW DELHI	A	
			ISOLLOYD	SOLAN	A	
			NATIONAL STEEL AND AGRO	DHAR	A	
			ERA BUILD SYS	RUDRAPUR	A	
			TATA BLUE SCOPE	PUNE BHIWADI	A	
			TATA BLUE SCOPE	CHENNAI	DR	
			PENNAR INDUSTRIES	HYDERABAD	A	
			COLOUR ROOF INDIA LIMITED	TALOJA, MAHARAstra	A	
			ESSAR STEEL LTD	PUNE	A	
9 (ii)	PROFILERS FOR CLADDING SHEETS*	4610-101-QVC-Q-002	MULTI COLOUR, GURGAON	NEW DELHI	A	
			INTERARCH BUILDING PRODUCTS LTD.	GREATER NOIDA	A	
			ESSAR STEEL LTD	PUNE	A	
			UNIMET PROFILES LIMITED	DHARUHERA-	A	
			LLOYDS INSULATION	PITHAMPUR	A	
			ERA BUILD SYS	RUDRAPUR	A	
			TATA BLUE SCOPE	PUNE BHIWADI	A	
			TATA BLUE SCOPE	CHENNAI	DR	
			PENNAR INDUSTRIES	HYDERABAD	A	
			COLOUR ROOF INDIA LIMITED	TALOJA, MAHARAstra	A	
			NATIONAL STEEL AND AGRO	DHAR	A	
10	ELECTROFORGED GRATING*	4610-101-QVC-Q-003	INDIANA GRATING	NASIK	A	
			MEISER	GERMANY	A	
			WEB FORGE	SINGAPORE	A	
			GREATWELD	INDAPUR, PUNE	A	
			BHOLA RAM STEELS	PATNA	A	
			KANADE ANAND UDYOG	THANE	A	
11	GI PIPES	-	JINDAL	-	N	

ANNEXURE-I TO TCN-02

ANNEXURE

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Supplier :		SUB-SYSTEM : CIVIL WORKS			Rev. No.:	0
Contract No. :					Date :	
SUB NO	ITEM	QP NO	PROPOSED MANUFACTURER	PLACE	APPROVAL STATUS	REMARKS
		-	PRAKASH	-	N	
		-	SURYA	-	N	
		-	APOLLO	SECUNDRABAD	N	
		-	SAIL	-	N	
		-	TATA	-	N	
12	INSULATION WOOL		LLOYD INSULATION INDIA LIMITED	-	A	
			MINWOOL, RAJNANDA GAON	RAJNANDA GAON	A	
			UP TWIGA	SIKANDARABAD	A	
			ROCKWOOL INDIA LIMITED, HYDERABAD	HYDERABAD	A	
13	PVC WATER STOP	-	DURON	GURGAON	N	
		-	KANTA RUBBER	HYDERABAD	N	
		-	MARUTI RUBBER	NOIDA	N	
		-	JYOTI POLYVINYL	VADODARA	N	
		-	DEEP-JYOTI	-	N	
14	PTFE BEARING / ELASTOMERIC BEARING		ALL CURRENT MORTH / RDSO APPROVED VENDORS		N	
15	BITUMEN/ ASPHALT	-	ALL GOVT REFINARIES	-	N	
16	BITUMEN IMPREGNATED FIBER BOARD JOINT FILLER, JOINT SEALING COMPOUND, BITUMINOUS COMPOUND, JOINT SEALANT	-	STP	-	N	
		-	M.K. PETRO	-	N	
		-	IWL INDIA LTD	CHENNAI	N	
17	PLASTIC/ PVC PIPES	-	BIS APPROVED SOURCES	-	N	
18	FLOOR TILES	-	KAJARIA	-	N	
		-	SOMANY	-	N	
		-	BELL	-	N	
		-	SPARTEK INDIA	-	N	
		-	NITCO	-	N	
		-	ORIENT	-	N	
		-	JOHNSON	-	N	
19	AR Bricks(IS 4860), AR Cement (Potassium silicate based Cement Mortar-IS 4832 part I, Phenolic based Resin Cement-IS 4832 Part II) and AR Bitumastic (IS 702)	-	PRDORITE ANTI CORROSIVE (CORBORUNDUM UNIVERSAL LTD)	-	N	
		-	PELICAN	BHIWADI	N	
		-	GOOD EARTH MINERALS	MUMBAI	N	REVISIONS REQUIRED FOR REVIEW
		-	CAMBRIAN	ALWAR	N	
		-	SUNSHINE CERAMICS	CHAMPA	N	
		-	VIDHATA CERAMICS	RAJKOT	N	
		-	CHAMPION CERAMICS	CHAMPA	N	
		-	MAHAKOSHAL POTTRIES	KATNI	N	
		-	PERFECT ACID WARE, JABALPUR	JABALPUR	N	
20	FIRE PROOF DOORS	-	NAVAIR INTERNATIONAL LTD.	-	N	
		-	GODREJ	-	N	
		-	SHAKTI MET DOOR	HYDERABAD	N	
		-	SUPER STEEL	DELHI	N	FOR SINGLE LEAF ONLY

ANNEXURE-I TO TCN-02

ANNEXURE - IA

		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL			Doc. No.:	
Package :					Rev. No.:	0
Supplier :		SUB-SYSTEM : CIVIL WORKS			Date :	
Contract No. :					Page :	
SUB NO	ITEM	QP NO	PROPOSED MANUFACTURER	PLACE	APPROVAL STATUS	REMARKS
		-	SIGNUM FIRE PROTECTION	NAGPUR	N	
		-	RADIANT SAFE DOORS	-	N	
21	RESIN BASED ADHESIVE	-	ARALDITE	-	N	
		-	FEVICOL	-	N	
		-	VAMICOL	-	N	
22	PARTICLE BOARDS, PLYWOOD, MDF	-	NOVAPAN	-	N	
		-	ECOBOARD	-	N	
		-	BHUTAN BOARD	-	N	
		-	KITPLY	-	N	
		-	GREEN PLY	-	N	
		-	CENTURY	-	N	
		-	DUROPLY	-	N	
		-	MERINO	-	N	
23	SANITARY ITEMS	-	PARRYWARE	-	N	
		-	HINDWARE	-	N	
		-	CERA	-	N	
		-	SEABIRD	-	N	
		-	ORIENT (CORAL)	-	N	
24	CP BRASS TAP AND OTHER SANITARY FITTINGS	-	GEM	-	N	
		-	TECHNO	-	N	
		-	PARKO	-	N	
		-	JAGUAR	-	N	
		-	MARC	-	N	
		-	DRIPLESS (AQUA PLUS)	-	N	
25	ALUMINUM SECTIONS	-	HINDALCO	-	N	
		-	INDALCO	-	N	
		-	STERLITE (BALCO)	-	N	
		-	JINDAL	-	N	
26	GLASS AND GLAZINGS	-	SAINT GOBIAN GLASS INDIA LTD	CHENNAI	N	
		-	MODI GUARD	-	N	
		-	TRIVENI GLASS	ALLAHABAD	N	
		-	INDO ASAHI	-	N	
		-	TATA FLOAT	-	N	
		-	ASAHI INDIA GLASS LTD	-	N	
27	ROOF WATER PROOFING	-	STP	-	N	
		-	IWL INDIA LTD	CHENNAI	N	
		-	LLOYDS	-	N	
		-	CICO TECHONOLOGIES LTD	-	N	
		-	BECK INDIA LTD., PUNE	-	N	
		-	MK PETRO	-	N	
		-	STRUCTURAL WATERPROOFING CO LTD	-	N	
28	RESIN BOUNDED GRANULAR TEXTURE	-	SPECTRUM	-	N	

ANNEXURE-I TO TCN-02

ANNEX

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Supplier :		SUB-SYSTEM : CIVIL WORKS			Rev. No.:	
Contract No. :					Date :	
SUB NO	ITEM	QP NO	PROPOSED MANUFACTURER	PLACE	APPROVAL STATUS	
		-	HERITAGE	-	N	
		-	LUXTURE	AJMER	N	
		-	TECHNO INDIA	-	N	
		-	ARCOPAN	-	N	
		-	SNOWCEN	-	N	
		-	VINERATEX	-	N	
29	POLYTHENE WATER STORAGE TANKS - IS 12701 (WITH BIS LICENSE NUMBER)	-	SINTEX	-	N	
		-	ELECTROPLAST	-	N	
		-	STAR	-	N	
		-	LOTUS	-	N	
30	PVC COATED CHAIN LINK FENCING AND BARBED TAPE	-	SAUDAGAR MAL MAMMANLAL	GWALIOR	A	
		-	EMCON INDUSTRIES	KOLKATA	DR	
		-	GARWARE	PUNE	A	
31	RCC PIPES	-	BIS APPROVED SOURCES		N	
32	ALUMINUM COMPOSITE CLADDING	-	INDOMAX	ROORKEE	A	
		-	ALSTRONG		DR	
		-	DURABUILD		DR	
		-	ALSTONE		DR	
		-	ALUDECOR		DR	
33	NEOPRENE BELLOW STRAPS	-	CORI	CHENNAI	A	
		-	RESISTOFLEX	NOIDA	A	
		-	DWREN	KOLKATA	A	
34	**HSFG BOLTS	-	PANCHSHEEL FASTNERS	DELHI	N	
		-	LAXMI PRECISION SCREW LTD		N	
		-	UNBRAKO		N	
		-	HILTI		N	
		-	GKW		N	
		-	GDPA MUMBAI			DISINPS REQUIRED FOR APPROVAL
		-	BOSH		N	
35	ANCHOR FASTENER	-	Fisher		N	
		-	HILTI		N	
		-	Cannon		N	
		-	Avon Cranes, Gurgaon		N	
36	ELECTRICALLY OPERATED HOIST (5T/2T)*	1450-001-QVC-Q-004	CONSOLIDATED HOIST	PUNE	A	
	These Items not in the scope		HERCULES HOIST	RAIGAD	A	
			GRIP ENGG	FARIDABAD	A	
			AVON CRANES	GURGAON	A	
			EGGY CRANE	PUNE	A	
			ARMSHEL	BANGLORE	A	
			REVA HOIST	FARIDABAD	A	
37	STOP LOG GATES, TRASH RACK AND LIFTING BEAM	1450-001-QVC-Q-005	GMW ENGG PVT LTD	BARKHA	A	
			TRIVENI	NOIDA	A	
			MACMET	KOLKATA	A	
			PRADEEP STRUCTURES	HOWRAH	A	

ANNEXURE-I TO TCN-02

ANNEXURE - IA

LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL					Doc. No.:	
Package :					Rev. No.:	0
Supplier :		SUB-SYSTEM : CIVIL WORKS			Date :	
Contract No. :					Page :	
SUB NO	ITEM	QP NO	PROPOSED MANUFACTURER	PLACE	APPROVAL STATUS	REMARKS
			REDFAB	HYDERABAD	A	
			IMPCCOMF	NAGPUR	DR	
			BSBK ENGG	NOIDA	A	
36	POLYCARBONATE SHEETS	-	GE PLASTIC	-	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
 ***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.
 UNITS/ WORKS : Place of manufacturing Place of Main Supplier of multi units/works.

NOTE: 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 certificate of conformance submitted by the main supplier/ main contractor.

THE ABOVE LIST IS SUGGESTIVE. THE CONTRACTOR HAS TO SOURCE/PROCURE MATERIALS FROM THE APPROVED SUB-VENDORS/SUPPLIERS ONLY.

FORMAT FOR NO DEVIATION CERTIFICATE
(To be submitted in the bidder's letter head)

BHARAT HEAVY ELECTRICALS LIMITED,
Power Sector - Eastern Region,
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	<p>PART-A: Civil and structural works for FGD system of 3x250 MW Bongaigaon TPP/ NTPC, including supply of all materials, labour, tools and plants, etc as required for completion of the job.</p> <p>PART-B: Complete work of handling including receipt of materials from Bhel/client's stores/storage yard, arranging their issue, site transportation, temporary storage prior to erection, if required, cleaning, transportation to site preservative painting, pre-assembly, erection, alignment, welding, leveling, adjustment, chipping & leveling of foundation, all pre-commissioning tests, commissioning, start-up and trial operation and handing over of total flue gas Desulphurisation Plant of 3x250 MW Bongaigaon TPP/NTPC.</p>	
Ref	1.0	Tender No. PSER:SCT:SAL-M1418:12
	2.0	BHEL's NIT, vide reference no PSER:SCT:SAL-M1418:3074, dated 27-12-2012
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:SAL-M1418:TCN-01, dated 17-01-2013.
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:SAL-M1418:TCN-02, dated 22-01-2013.
	5.0	All other pertinent issues till date.

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions of the tender, unqualified compliance to technical specification including all tender drawings, integrity pact (if applicable) and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized representative of the bidder)

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION DJ-9/1, SECTOR-II, SALTLAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796