

PROJECT: NTPC Barh 3 x 660MW Stage - I (BHEL W.O no: G 604, G 605 and G 606) NTPC Barh 2 x 660MW Stage - II (BHEL W.O no: G 607 and G 608) NTPC NORTH KARANPURA (3X660MW) (BHEL WO no: G601,G602 & G 603) NTPC Mouda 2 X 500MW (BHEL WO no: G503 & G504) UPRVUNL Panki (1 X 660 MW) (BHEL WO No: R4U2) CONTRACT NO: **Ref Sl. NO. 10 PACKAGE: FGD PACKAGE MAIN CONTRACTOR: BHEL - RANIPET SUB CONTRACTOR & ADDRESS: (To be filled by VENDOR)		CONTRACT QUALITY REQUIREMENTS (CQR) for ELECTRICALLY OPERATED HOISTS used in FGD APPLICATION NTPC Barh 3 x 660MW Stage - I (BHEL W.O no: G 604, G 605 and G 606) NTPC Barh 2 x 660MW Stage-II (BHEL W.O no: G607 and G608) NTPC - NORTH KARANPURA (3X660MW) (BHEL WO no: G601, G602 & G 603) NTPC Mouda 2 X 500MW (BHEL WO no: G503 & G504) UPRVUNL Panki (1 X 660 MW) (BHEL WO No: R4U2)	DOC.NO: BAP/QR/G601 To G 608 & G503, G504,R4U2 / Barh I&II – NKP - Mouda-Panki/ EOH 001 Rev NO.: 00 PAGE : Page 1 of 2 DATE: 06.10.2020	##Enquiry No: ## Supplier Name & Address: ##Offer reference: ##Date: Contact Official Name: Mobile no: Email id:
Sl. NO.	DESCRIPTION	BHEL/NTPC, UPRVUNL Panki Requirements		##Specific confirmations by the vendor

ITEM: ELECTRICALLY OPERATED HOISTS

01	Quality plan Requirement	Vendor shall confirm to meet the requirement of SQP ref no. SQP QP No. 0000-999-QOM-S-053 Rev 00 dt 05.04.2013 and arrange to submit the SQP duly endorsed (signature and stamp) in all pages along with duly filled in Endorsement sheet for accepting the QAP in totality in the event of Purchase Order.	
02	Type test requirements	Vendor shall confirm for successful conduction & completion of all the tests & type tests if any as indicated in the attached SQP ref no. SQP QP No. 0000-999-QOM-S-053 Rev 00 dt 05.04.2013.	
03	Vendor Approval	Vendor shall submit details w.r.t. vendor approval by NTPC and UPRVUNL Panki for proposed supply of Electrically Operated Wire Rope Hoist against BHEL/Ranipet (or) any other NTPC orders. The details of PO already executed preferably through various other BHEL units or through direct orders executed by them against NTPC EOC Noida (not based on NTPC site orders) with CHP/MDCC including technical catalogue, PO received so far for similar supply may also be submitted.	
		Vendor shall note that if Ultimate customer NTPC and UPRVUNL Panki vendor approvals is not there / not available, then the vendor offer will not be considered for further processing / ordering for the supply of Electrically Operated Wire Rope Hoist against this Enquiry.	
04	Vendor Evaluation	Vendors who are not approved by Ultimate customer NTPC and UPRVUNL Panki shall submit the NTPC Sub Vendor Questionnaire in NTPC format (copy enclosed) duly filled in with all the details in single submission in the offer itself with following credentials like, 1. Manufacturing Facilities and Testing Facilities, Organizational Set up including catalogue/ Drg giving constructional details of the item under consideration. 2. System & procedure of proposed vendor followed for inspection & testing of various items covered in this scope. 3. Vendor's Own experience including Field Performance Report from the end users for similar size/rating/ application and material. Experience detail shall include date of supply and commissioning.	
05	Inspection Methodology	BHEL/BHEL AIA and Ultimate customer NTPC, UPRVUNL Panki Inspection as per this SQP is must before dispatch. No material shall be dispatched without BHEL/Ultime Customer NTPC, UPRVUNL Panki inspection with required CHP/MDCC clearances.	

PROJECT: NTPC Barh 3 x 660MW Stage - I (BHEL W.O no: G 604, G 605 and G 606) NTPC Barh 2 x 660MW Stage - II (BHEL W.O no: G 607 and G 608) NTPC NORTH KARANPURA (3X660MW) (BHEL WO no: G601,G602 & G 603) NTPC Mouda 2 X 500MW (BHEL WO no: G503 & G504) UPRVUNL Panki (1 X 660 MW) (BHEL WO No: R4U2) CONTRACT NO: **Ref Sl. NO. 10 PACKAGE: FGD PACKAGE MAIN CONTRACTOR: BHEL - RANIPET SUB CONTRACTOR & ADDRESS: (To be filled by VENDOR)		CONTRACT QUALITY REQUIREMENTS (CQR) for ELECTRICALLY OPERATED HOISTS used in FGD APPLICATION NTPC Barh 3 x 660MW Stage - I (BHEL W.O no: G 604, G 605 and G 606) NTPC Barh 2 x 660MW Stage-II (BHEL W.O no: G607 and G608) NTPC - NORTH KARANPURA (3X660MW) (BHEL WO no: G601, G602 & G 603) NTPC Mouda 2 X 500MW (BHEL WO no: G503 & G504) UPRVUNL Panki (1 X 660 MW) (BHEL WO No: R4U2)	DOC.NO: BAP/QR/G601 To G 608 & G503, G504,R4U2 / Barh I&II – NKP - Mouda-Panki/ EOH 001 Rev NO.: 00 PAGE : Page 2 of 2 DATE: 06.10.2020	##Enquiry No: ## Supplier Name & Address: ##Offer reference: ##Date: Contact Official Name: Mobile no: Email id:
Sl. NO.	DESCRIPTION	BHEL/NTPC, UPRVUNL Panki Requirements		##Specific confirmations by the vendor

ITEM: ELECTRICALLY OPERATED HOISTS

06	For inspection call	To raise inspection call by BHEL/BHEL AIA inspection including for type test witnessing, vendor is requested to contact Mr R Kesavan, DGM (QC-Proc), Mobile no: +91 9443006303., Email id: Kesavan@bhel.in and Mr Kovarathanan, DM (QC-Proc), Mobile no: +91 8903502628., Email id: kovak@bhel.in for inspection related activities for immediate response / resolution.	
07	Packing	Required Packing & preservation shall also to be ensured as per requirements stipulated in Engg spec / drg / data sheet/PO condition to avoid any damage during transit., handling damages & storage at site.	
08	Painting	Paint color and coating thickness to be ensured as per requirements stipulated in Engg spec / drg / data sheet.	
09	Document package	Specific confirmation for Document Package in the event of an order (2 hard copies + 2 CDs in Pdf file) is to be given containing the following with proper linkages (.) (i) Index Sheet (ii) SQP (iii) TCs identified by BHEL/NTPC, UPRVUNL Panki for record for "CHP" and Verification portion as given in. (iv) Final Inspection Report + all applicable Test Certificates (v) BHEL/BHEL authorized Inspection Agency report + TC (vi) Type test reports conducted/submitted with approval (vii) NTPC, UPRVUNL Panki CHP/MDCC	
10	**CONTRACT NO: CS-9558-109(1A)-2-FC-NOA-6724 for NTPC Barh Stage –I 3 x 660MW CS-9560-109(1B)-9-FC-NOA-6720 for NTPC Barh Stage –II 2 x 660MW CS-4410-109-2- FC/SC-NOA-6695/6696 for NTPC North Karanpura 3x660MW CS-9561-109(1B)-9-FC-NOA-6722 for NTPC Mouda 2 X 500MW 14A22-9PC-G-0001A for UPRVUNL Panki 1 x 660 MW		

##Supplier signature with seal

Necessarily to be filled up by the vendor at the time of offer itself otherwise their offer may not be considered w.r.t Quality Requirements being customer specific requirements.



ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC)
ELECTRIC OPERATED HOIST
UPTO SWL 15 T

STANDARD QUALITY PLAN
CONFORMING TO CODE:
IS: 3938

OP NO. 0000-999-QCM-S-063
REV. NO. 00
DATE 05.04.2013
PAGE 1 of 4
VALID UPTO 04.04.2016

REVIEWED BY:
H S MAURYA
S SINGH
M K ASTHANA
RAJEEV GARG

APPROVED BY:
[Signature]
[Signature]
[Signature]

SN	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE	Format of RECORD	AGENCY	REMARKS
1.					M				M	
2.					C/N				C	
3.									N	
4.										
5.										
6.										
7.										
8.										
9.										
10.										
11.										

A. RAW MATERIAL INSPECTION:											
A.1	MS PLATES FOR STRUCTURAL MEMBERS & FABRICATED ROPE DRUM	CHEMICAL & MECHANICAL PROPERTIES	MAJOR	CHEM & MECH	1 SAMPLE/HEAT	MATERIAL SPECIFICATION/AS PER APPROVED DATA SHEETS/DRAWINGS	MTG	✓	P	V	IN THE ABSENCE OF CORRELATED TC CHECK TESTING SHALL BE DONE
A.2	PIPE FOR ROPE DRUM (IF SEAMLESS PIPE IS USED)	ULTRASONIC TEST OF PLATES	MAJOR	NDT	100%	ASTM A-435	IR	✓	P	V	ONLY FOR THICKNESS ≥ 25 MM
A.2	PIPE FOR ROPE DRUM (IF SEAMLESS PIPE IS USED)	CHEMICAL, MECHANICAL PROPERTIES & ACID ETCHING	MAJOR	CHEM & MECH	1 SAMPLE / HEAT/ SIZE	MATERIAL SPECIFICATION/AS PER APPROVED DATA SHEETS/DRAWINGS	MTG	✓	P	V	
A.3	FORGINGS/ ROLLED BARS FOR GEARS, PINIONS, WHEELS, AND BRAKE DRUM	ULTRASONIC TEST FOR SEAMLESS PIPE	MAJOR	UT	100%	ASTM E-213	IR	✓	P	V	
A.3	FORGINGS/ ROLLED BARS FOR GEARS, PINIONS, WHEELS, AND BRAKE DRUM	CHEMICAL & MECHANICAL PROPERTIES	MAJOR	CHEM & MECH	1 SAMPLE/ HEAT/ SIZE/ HT BATCH	MATERIAL SPECIFICATION/AS PER APPROVED DATA SHEETS/DRAWINGS	MTG	✓	P	V	IN THE ABSENCE OF CORRELATED TC CHECK TESTING SHALL BE DONE
A.3	FORGINGS/ ROLLED BARS FOR GEARS, PINIONS, WHEELS, AND BRAKE DRUM	ULTRASONIC TEST	MAJOR	NDT	100%	ASTM A-388	IR	✓	P	V	ONLY FOR DIA ≥ 40 MM
B. BOUGHT OUT ITEMS :											
B.1	HOOKS	MAKE & IDENTIFICATION	MAJOR	VISUAL	100%	HOOK TC FROM COMPETANT AUTHORITY/ APPROVED MAKES	TC	✓	P	V	REFER ANNEX I FOR MAKE
B.1	HOOKS	CHEMICAL & MECHANICAL PROPERTIES	MAJOR	CHEM & MECH	1 SAMPLE/ HEAT/ HT BATCH	MATERIAL SPECIFICATION AS PER APPROVED DATA SHEETS /DRAWINGS	MTG	✓	P	V	
B.1	HOOKS	PROOF LOAD TEST	MAJOR	MECHANICAL	100%	IS:15560/IS:5748	IR	✓	P	V	
B.1	HOOKS	INTERNAL DEFECTS BEFORE & AFTER PROOF LOAD TEST	CRITICAL	NDT	100%	ASTM - A 388	IR	✓	P	V	ON SHANK PORTION ONLY
B.1	HOOKS	DPT TEST BEFORE & AFTER PROOF LOAD TEST	CRITICAL	NDT	100%	ASTM E-185	IR	✓	P	V	
B.2	WIRE ROPES	MAKE & IDENTIFICATION	MAJOR	VISUAL	100%	APPROVED MAKES	MTG	✓	P	V	REFER ANNEX I FOR MAKE
B.2	WIRE ROPES	DIMENSION & BREAKING STRENGTH	MAJOR	REVIEW	100% (EACH BATCH)	IS: 2266 / APPROVED DATA SHEET	MTG	✓	P	V	
B.3	MOTOR	MAKE/ TYPE/RATING	MAJOR	VISUAL	100%	NTPC APPROVED DRAWING/ DATA SHEET/ NTPC SPECIFICATION / IS:325	MTG	✓	P	V	REFER ANNEX I FOR MAKE
B.3	MOTOR	ROUTINE TESTS	MAJOR	REVIEW	100%		MTG	✓	P	V	
B.4	GEAR BOX	MAKE/ TYPE/RATING	MAJOR	VISUAL	100%	NTPC APPROVED DRAWING/ DATA SHEET/ NTPC SPECIFICATION/ APPROVED MAKES	MTG	✓	P	V	REFER ANNEX I FOR MAKE
B.4	GEAR BOX	BACKLASH, TOOTH CONTACT & REDUCTION RATIO	MAJOR	REVIEW	100%		MTG	✓	P	V	
B.4	GEAR BOX	NO. LOAD RUN TEST (NOISE LEVEL, TEMP RISE & OIL LEAKAGE)	MAJOR	REVIEW	100%	NTPC APPROVED DRAWING/ DATA SHEET/ NTPC SPECIFICATION/ NO LEAKAGE	MTG	✓	P	V	
LEGEND: * RECORDS, IDENTIFIED WITH TICK (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION											
** M: MANUFACTURER/SUB-SUPPLIER G: MAIN SUPPLIER N: NTPC P: PERFORM W: WITNESS AND V: VERIFICATION AS APPROPRIATE. CHP: NTPC SHALL IDENTIFY IN COLUMN 'N' AS W											
							Note: # NTPC Inspection Engineer to check, approval date/ revision no. of reference documents at the time of inspection				

LEGEND: * RECORDS, IDENTIFIED WITH 'TICK' (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION

** M: MANUFACTURER/SUB-SUPPLIER

C: MAIN SUPPLIER

N: NTPC

P: PERFORM

W: WITNESS

AND V: VERIFICATION AS APPROPRIATE

CHP: NTPC SHALL IDENTIFY IN COLUMN 'N' AS V

FORMAT NO.: QS-01-QAI-P-10/F-1-R1

1/1

ENGG. DIV./O&B



ITEM (MATERIAL, CLASS, GRADE, RATING,
RANGE, SIZE ETC)

ELECTRIC OPERATED HOIST
UPTO SWL 15 TON

CONFORMING TO CODE :
IS: 3938

STANDARD QUALITY PLAN

QIP NO. 0000-999-QOM-S-063

REVIEWED BY: APPROVED BY:

REV. NO. 00

H S MAURYA

DATE 05.04.2013

S SINGH

PAGE Page 2 of 4

M K ASTHAN

VALID UPTO 04.04.2016

RAJEEV GARG

ACCEPTANCE NORM

AGENCY

REFERENCE DOCUMENT

REMARKS

YALID UPTO

Format of RECORD

APPROVED DRAWING/ NTPC SPECIFICATION/ IS: 3938

IR

APPROVED DRAWING/ NTPC SPECIFICATION/ IS: 3938

MTG

APPROVED DRAWING/ NTPC SPECIFICATION/ IS: 3938

IR

APPROVED DRAWING/ NTPC SPECIFICATION/ IS: 3938

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IR

APPROVED DRAWING/ NTPC SPECIFICATION/ IS: 3938

MTG

APPROVED DRAWING/ NTPC SPECIFICATION/ IS: 3938

IR

LEGEND: * RECORDS IDENTIFIED WITH TICK (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.
** M: MANUFACTURER/SUB-SUPPLIER G: MAIN SUPPLIER N: NTPC P: PERFORM W: WITNESS AND V: VERIFICATION AS
APPROPRIATE. CHP: NTPC SHALL IDENTIFY IN COLUMN 'V' AS 'V'

FORMAT NO.: QS-01-QA-P-10/F1-R1

1/1

ENG. DIV/QA&I

SN	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	VALID UPTO	ACCEPTANCE NORM	Format of RECORD	AGENCY			REMARKS
										M	C	N	
1.	2.	3.	4.	5.	6.	7.	8.	9.	D	10.	11.		
B.5	BRAKES -EM/ EHT	MAKE/ TYPE/ RATING ROUTINE TESTS	MAJOR	VISUAL	100%	NTPC APPROVED DRAWING/ NTPC SPECIFICATION/ IS: 3938	04.04.2016	IR	✓	P	V	V	REFER ANNEX-1 FOR MAKE
B.6	LIMIT SWITCH/ OVERLOAD RELAY/ SPUL/ CONTACTOR/ CONTROL TRANSFORMER/ PUSH BUTTON/ TERMINAL BLOCK/ INDICATING LAMP/ SELECTOR SWITCH	MAKE/ TYPE/ RATING	MAJOR	VISUAL	100%	APPROVED DRAWING/ NTPC TECH. SPEC/ APPROVED MAKES		MTG	✓	V	V	V	REFER ANNEX-1 FOR MAKE
B.7	CABLES - LT POWER/ CONTROL/ EPR FLEXIBLE TRAILING	MAKE/ TYPE/ RATING ROUTINE & ACCEPTANCE TESTS	MAJOR	VISUAL	100%	NTPC APPROVED DRAWING/ NTPC SPECIFICATION/ IS: 1554/ IS: 9888/ IS: 4289/ IS: 7098		IR	✓	P	V	V	REFER ANNEX-1 FOR MAKE
B.8	WVFD (AS APPLICABLE)	MAKE/ TYPE/ RATING ROUTINE & ACCEPTANCE TESTS	MAJOR	VISUAL	100%	NTPC APPROVED DRAWING/ NTPC SPECIFICATION/ APPROVED MAKES		IR	✓	P	V	V	REFER ANNEX-1 FOR MAKE
B.9	CONTROL PANEL & PENDENT STATION HOUSING/ BOX	MAKE/ TYPE/ RATING SHEET/ GLAND PLATE MATERIAL & THK. DOOR ALIGNMENT, PAINT SHADE/ THK (MIN 70 μ)/ ADHERION	MAJOR	VISUAL	100%	NTPC APPROVED DRAWING/ NTPC SPECIFICATION/ APPROVED MAKES		IR	✓	P	V	V	REFER ANNEX-1 FOR MAKE
C. IN PROCESS INSPECTION:													
C.1	ROLLING & WELDING OF ROPE DRUM (FABRICATED)	WPS, POR & WPS ROLLING & WELD EDGE PREPARATION	MAJOR	REVIEW	100%	APPROVED WPS, ASME SEC. IX	04.04.2016	IR	✓	P	V	V	REFER NOTE 2
		POST WELD HEAT TREATMENT	MAJOR	REVIEW	100%	ASME SEC. VIII DIV 1 (UCS-56)		SR CHART	✓	P	V	V	SR CHART REVIEW BY NTPC DURING FINAL INSPECTION.
		NDT TEST ON WELD	MAJOR	DPT	100%	ASME SEC - V		DPT	✓	P	V	V	
		RADIOGRAPHY OF BUTT WELD JOINTS	CRITICAL	RT	100%	ASME -SEC-V	VIII, DIV -1, APP. 6/ B	RT FILMS & REPORT	✓	P	V	V	FILM REVIEW BY NTPC DURING THE FINAL INSPECTION. CHP
C.2	ROPE DRUM, WHEELS, PULLEYS & HOOK SHANK AFTER MACHINING	VISUAL & DIMENSIONAL	MAJOR	VISUAL & MEASURE	100%	MANUFACTURER'S DRAWINGS		IR	✓	P	V	-	
		NDT ON MACHINED SURFACES	MAJOR	DPT	100%	ASME E-165	NO DEFECT	IR	✓	P	V	V	

ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC)					STANDARD QUALITY PLAN						
ELECTRIC OPERATED HOIST UPTO SWL 15 TON					CONFORMING TO CODE : IS: 3938						
SN	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTITY OF CHECK	REFERENCE DOCUMENT	Q.P. NO.	REV. NO.	DATE	REVIEWED BY:	APPROVED BY:
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1.	STEEL										
2.	WIRE ROPE										
3.	HOOK										
4.	GEAR BOX										
5.	MOTOR										
6.	LIMIT SWITCHES										
7.	CONTACTOR&OR TIME DELAY RELAY, AUX RELAY										
8.	FUSES, SFU, MCB MCCB										
9.	FLEXIBLE CABLE, LT POWER AND CONTROL CABLE										
10.	BEARING										
11.	PUSH BUTTONS										
12.	PUSH BUTTON STATIONS (PENDANT)										
13.	INDICATING LIGHT										
14.	TRANSFORMERS (CONTROL)										
15.	CURRENT TRANSFORMERS										
16.	VVVF DRIVE										
17.	CONTROL PANEL										
18.	BRAKES - DCEM										
19.	BRAKES - EHT										
20.	TERMINAL BLOCK										
21.	INDICATING METER										
22.	DSL&CURRENT COLLECTING SYSTEM										
23.	SELECTOR SWITCH										

LIST OF BOUGHT OUT ITEMS AND THEIR SOURCES

1	STEEL	SAIL, TISCO, RINL, JSW, JISL, ESSAR, IISCO, WELSPUN
2	WIRE ROPE	USHA MARTIN, BHARAT WIRE ROPE, BOMBAY WIRE ROPE
3	HOOK	HERMAN MOHATA, SMRITI FORGING, KARACHIWALA
4	GEAR BOX	ELECON, SHANTI GEAR NEW ALLENBURY WORKS, PETL, BONFIGLIOLI - ITALY
5	MOTOR	LHP, ABB, SIEMENS, MARATHON ELECTRIC, KEC, BRL, CGL, NGE (UP TO 15 KW), JYOTI
6	LIMIT SWITCHES	JAIBALAJI B&H, SPEED-O-CONTROL (NOTED), SIEMENS
7	CONTACTOR&OR TIME DELAY RELAY, AUX RELAY	SIEMENS, L&T, TELEMCHANIC, C&S
8	FUSES, SFU, MCB MCCB	SIEMENS, L&T, GEIL, C&S
9	FLEXIBLE CABLE, LT POWER AND CONTROL CABLE	UNIVERSAL, POLYCAR, KEI, NICCO, DELTON, PARAMOUNT, CORDS, GEMS, HAVELLS * ONLY FOR FIXED CABLE
10	BEARING	SKF, FAG, NMB, NTN, NBO, TIMKEN
11	PUSH BUTTONS	VAISHNO, SIEMENS, L&T, TELEMCHANIC
12	PUSH BUTTON STATIONS (PENDANT)	VAISHNO, SIEMENS, L&T
13	INDICATING LIGHT	INDCOIL, LOGICSTAT, PACIL, AE, PRAGATI, PRAVAG, PRECISE, SOUTHERN ELECTRIC, GUJARAT PLUG-IN, KAPPA
14	TRANSFORMERS (CONTROL)	INDCOIL, AE, PRAGATI, PRECISE, KAPPA
15	CURRENT TRANSFORMERS	L&T, ABB, SIEMENS, SCHLENDER, DANFOSS
16	VVVF DRIVE	RITTAL, PYROTECH, POSITRONICS, MPP
17	CONTROL PANEL	EMCO, PETHE, WMI, BCH
18	BRAKES - DCEM	WMI, ELECTROMAG
19	BRAKES - EHT	ELMEX, CONNECTWELL, WAGO (FOR CONTROL ONLY)
20	TERMINAL BLOCK	MECO, RISHABH, IMP
21	INDICATING METER	SUSHEEL, STOMAG
22	DSL&CURRENT COLLECTING SYSTEM	L&T, KAYCEE
23	SELECTOR SWITCH	

LEGEND: * RECORDS IDENTIFIED WITH TICK (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.
 ** M: MANUFACTURER/SUB-SUPPLIER C: MAIN SUPPLIER N: NTPC P: PERFORM W: WITNESS AND V: VERIFICATION AS APPROPRIATE. CHP: NTPC SHALL IDENTIFY IN COLUMN "N" AS W

FORMAT NO.: QS-01-QAI-P-10/F1-R1

Note: # NTPC Inspection Engineer to check approval date / revision no. of reference documents at the time of inspection

ENDORSEMENT SHEET FOR QP
REFERENCE / STANDARD / FIELD QUALITY PLAN (RQP/ SQP/RFQP/SFQP)

TO BE FILLED IN BY SUPPLIER AT TIME OF SUBMISSION			To be filled in by NTPC
PROJECT NAME	NTPC Barh 3 x 660MW Stage – I (BHEL W.O no: G 604, G 605 and G 606) NTPC Barh 2 x 660MW Stage – II (BHEL W.O no: G 607 and G 608) NTPC North Karanpura 3 x 660MW (BHEL W.O No: G 601, G602 & G603) NTPC Mouda 2 x 500MW (BHEL W.O no: G503 & G504)	<u>2REVIEW & ENDORSEMENT BY NTPC</u> PROJECT SPECIFIC QP NUMBER ALLOTTED QP NO: REV. NO.: 00 DT :	
CONTRACT NO.:	CS-9558-109(1A)-2-FC-NOA-6724 for Barh Stage –I (3 x 660MW) CS-9560-109(1B)-9-FC-NOA-6720 for Barh Stage –II (2 x 660MW) CS-4410-109-2- FC/SC-NOA-6695/6696 for North Karanpura (3 x 660MW) CS-9561-109(1B)-9-FC-NOA-6722 for Mouda (2 X 500MW)		
MAIN SUPPLIER	M/S.BHEL, RANIPET , TAMIL NADU., INDIA		
MANUFACTURER WORKS & ADDRESS	(TO BE FILLED BY EOH MANUFACTURER)		
ITEM /EQUIPMENT / SYSTEM/ SUB-SYSTEM DETAILS i.e. MODEL TYPE/SIZE/RATING etc.	ELECTRICALLY OPERATED WIRE ROPE HOIST FOR FGD APPLICATION		
APPROVED QP NO.: RQP/SQP/RFQP/SFQP	0000-999-QOM-S053 Rev No. 00 dt 05.04.2013		
Confirmation by Main Supplier (TICK WHICHEVER APPLICABLE)		<i>(TICK APPLICABLE)</i>	
I. That the item/ component is identical to that considered for SQP approval.		The MQP/RQP/SQP is endorsed for this project without any change	
II. That there are minor changes in the item/ component with respect to that considered for MQP/RQP/SQP approval, however the same do not affect the contents of MQP/RQP/SQP			
III. That there are minor changes in the item/ component with respect to that considered for MQP/RQP/SQP approval, however the same affect the MQP/RQP/SQP slightly, as indicated below / in attached sheet.			
		The SQP is endorsed for this project with changes as indicated. <u>DISTRIBUTION OF ENDORSEMENT OF</u> A) MQP/RQP/SQP: 1. MAIN SUPPLIER (WITH A COPY OF MQP/RQP/SQP) 2. MANUFACTURER 3. RIO 4. CQA-SPL 5. CQA-O/C B) RFQP/SFQP: 1. MAIN SUPPLIER (with a copy of MQP/RQP/SQP) 2. MANUFACTURER 3. NTPC FQA (with a copy of MQP/RQP/SQP) 4. NTPC Erection (with a copy of MQP/RQP/SQP) 5. CQA-SPL 6. CQA-O/C	
SIGN.: (Main Supplier) DATE:	style="background-color: yellow;"> (TO BE FILLED BY EOH MANUFACTURER) SIGN.: (Manufacturer) DATE:	NTPC (Reviewed /Approved by/ Date & Seal)	

ENDORSEMENT SHEET FOR QP
~~REFERENCE~~ / STANDARD / FIELD QUALITY PLAN (RQP / SQP/RFQP/SFQP)

TO BE FILLED IN BY SUPPLIER AT TIME OF SUBMISSION		एनटीपीसी NTPC	To be filled in by NTPC
PROJECT NAME	UPRVUNL-PANKI 660MW – FGD (NTPC CONSULTANT) (BHEL/BAP WO no: R4U2)	2REVIEW & ENDORSEMENT BY NTPC PROJECT SPECIFIC QP NUMBER ALLOTTED QP NO: REV. NO.: 00 DT :	
CONTRACT NO.:	14A22-9PC-G-0001A		
MAIN SUPPLIER	M/S.BHEL, RANIPET , TAMIL NADU., INDIA		
MANUFACTURER WORKS & ADDRESS	(TO BE FILLED BY EOH MANUFACTURER)		
ITEM /EQUIPMENT / SYSTEM/ SUB-SYSTEM DETAILS i.e. MODEL TYPE/SIZE/RATING etc.	ELECTRICALLY OPERATED WIRE ROPE HOIST FOR FGD APPLICATION		
APPROVED QP NO.: RQP/SQP/RFQP/SFQP	0000-999-QOM-S053 Rev No. 00 dt 05.04.2013		
Confirmation by Main Supplier (TICK WHICHEVER APPLICABLE)		(TICK APPLICABLE)	
I. That the item/ component is identical to that considered for SQP approval.		The MQP/RQP/SQP is endorsed for this project without any change The SQP is endorsed for this project with changes as indicated.	
II. That there are minor changes in the item/ component with respect to that considered for MQP/RQP/SQP approval, however the same do not affect the contents of MQP/RQP/SQP			
III. That there are minor changes in the item/ component with respect to that considered for MQP/RQP/SQP approval, however the same affect the MQP/RQP/SQP slightly, as indicated below / in attached sheet.			
		<u>DISTRIBUTION OF ENDORSEMENT OF</u> A) MQP/RQP/SQP: 1. MAIN SUPPLIER (WITH A COPY OF MQP/RQP/SQP) 2. MANUFACTURER 3. RIO 4. CQA-SPL 5. CQA-O/C B) RFQP/SFQP: 1. MAIN SUPPLIER (with a copy of MQP/RQP/SQP 2. MANUFACTURER 3. NTPC FQA (with a copy of MQP/RQP/SQP 4. NTPC Erection (with a copy of MQP/RQP/SQP 5. CQA-SPL 6. CQA-O/C	
SIGN.: (Main Supplier) DATE:	(TO BE FILLED BY EOH MANUFACTURER) SIGN.: (Manufacturer) DATE:	NTPC (Reviewed /Approved by/ Date & Seal)	

	CORPORATE QUALITY ASSURANCE SUB-VENDOR QUESTIONNAIRE
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i.	Item/Scope of Sub-contracting			
ii.	Address of the registered office	Details of Contact Person (Name, Designation, Mobile, Email)		
iii.	Name and Address of the proposed Sub-vendor's works where item is being manufactured	Details of Contact Person: (Name, Designation, Mobile, Email)		
iv.	Annual Production Capacity for proposed item/scope of sub-contracting			
v.	Annual production for last 3 years for proposed item/scope of sub-contracting			
vi.	Details of proposed works			
1.	Year of establishment of present works			
2.	Year of commencement of manufacturing at above works			
3.	Details of change in Works address in past (if any)			
4.	Total Area			
	Covered Area			
5.	Factory Registration Certificate	Details attached at Annexure – F2.1		
6.	Design/ Research & development set-up (No. of manpower, their qualification, machines & tools employed etc.)	Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design) Details attached at Annexure – F2.2 (if applicable)		
7.	Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc)	Details attached at Annexure – F2.3		
8.	After sales service set up in India, in case of foreign sub-vendor (Location, Contact Person, Contact details etc.)	Applicable / Not applicable Details attached at Annexure – F2.4		
9.	Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any	Details attached at Annexure – F2.5		

	CORPORATE QUALITY ASSURANCE SUB-VENDOR QUESTIONNAIRE
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10.	Quality Control exercised during receipt of raw material/BOI, in-process , Final Testing, packing	Details attached at Annexure – F2.6												
11.	Manufacturing facilities (List of machines, special process facilities, material handling etc.)	Details attached at Annexure – F2.7												
12.	Testing facilities (List of testing equipment)	Details attached at Annexure – F2.8												
13.	If manufacturing process involves fabrication then- List of qualified Welders List of qualified NDT personnel with area of specialization	Applicable / Not applicable Details attached at Annexure – F2.9 (if applicable)												
14.	List of out-sourced manufacturing processes with Sub-Vendors' names & addresses	Applicable / Not applicable Details attached at Annexure. –F2.10 (if applicable)												
15.	Supply reference list including recent supplies	Details attached at Annexure – F2.11 (as per format given below)												
	<table border="1" style="width: 100%;"> <tr> <th style="width: 10%;">Project/ package</th> <th style="width: 10%;">Customer Name</th> <th style="width: 30%;">Supplied Item (Type/Rating/Model /Capacity/Size etc)</th> <th style="width: 20%;">PO ref no/date</th> <th style="width: 20%;">Supplied Quantity</th> <th style="width: 10%;">Date of Supply</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	Project/ package	Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date	Supplied Quantity	Date of Supply							
Project/ package	Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date	Supplied Quantity	Date of Supply									
16.	Product satisfactory performance feedback letter/certificates/End User Feedback	Attached at annexure - F2.12												
17.	Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product (similar or higher rating) Note:- Reports need not to be submitted	Applicable / Not applicable Details attached at Annexure – F2.13 (if applicable)												
18.	Statutory / mandatory certification for the proposed product	Applicable / Not applicable Details attached at Annexure – F2.14 (if applicable)												
19.	Copy of ISO 9001 certificate (if available)	Attached at Annexure – F2.15												
20.	Product technical catalogues for proposed item (if available)	Details attached at Annexure – F2.16												
<table border="1" style="width: 100%;"> <tr> <td style="width: 15%;">Name:</td> <td style="width: 25%;"> </td> <td style="width: 15%;">Desig:</td> <td style="width: 25%;"> </td> <td style="width: 15%;">Sign:</td> <td style="width: 20%;"> </td> </tr> <tr> <td>Date:</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>			Name:		Desig:		Sign:		Date:					
Name:		Desig:		Sign:										
Date:														

Company's Seal/Stamp:-