



A Maharatna Company

एन टी पी सी लिमिटेड

(भारत सरकार का उद्यम)

NTPC Limited

(A Govt. of India Enterprise)

(Formerly National Thermal Power Corporation Ltd.)

(केंद्रीय कार्यालय नोएडा)

Corporate Center NOIDA

Reference : CC-ENGG-4540-001-110-QVM-Q-111

Date : 26/12/2022

From : CHANDEKAR PRADEEP GOPAL
DY. GENERAL MANAGER

To : BHARAT HEAVY ELECTRICALS LTD
NEW DELHI
110049
IN

Cc : sisodia@bhel.in

Subject : EPC TTPP3 (2x660MW)

Please find enclosed following drawings/ documents for necessary action at your end.

Vendor Drg. No. : 1.06.01

Orgn. Drg. No. : 4540-001-110-QVM-Q-111

Revision No. : 00

Drg. Title : ESV & CV CASING (HP VALVES) M/C-ENDORSEMENT

App. Category : CAT-I

Release Date : 26/12/2022



Scan to verify

Comments : Endorsed in Cat-I.



Engineering Division
ISO 9001:2008 Certified



अभियंत्रिकी कार्यालय परिसर, प्लॉट नं.- ए 8ए, सेक्टर-24, पोस्ट बॉक्स नं.- 13, नोएडा (उ.प्र.) पिन-201 307

टेलिफोन नं.- 0120-2410333, 2410116 फैक्स-0120-2410136, 2410137

पंजीकृत कार्यालय: एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7 इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली-110 003

टेलिफोन नं.- 011-24361018 फैक्स-011-24361018, वेबसाइट: www.ntpc.co.in

ENGINEERING OFFICE COMPLEX, Plot No: A-8A, Sector-24, Post Box No: 13, Noida (UP), Pin-201 307

Telephone No: 0120-2410333, 2410116 Fax-0120-2410136, 2410137



Registered Office: NTPC Bhawan, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi-110 003

Telephone No: 011 24360100 Fax: 011 24361018, Website: www.ntpc.co.in

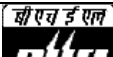
Endorsed in Cat-I.

Chandekar

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

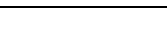
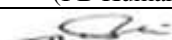
TO BE FILLED IN BY SUPPLIER AT TIME OF SUBMISSION				To be filled in by NTPC
PROJECT NAME	2 X 660 MW TALCHER TPP		REVIEW & ENDORSEMENT BY NTPC PROJECT SPECIFIC QP NUMBER ALLOTTED QP NO.: 4540-001-110-QVM-Q-111 REV. NO.: DATE: Doc Title: <i>ESV & CV CASING (HP VALVES)</i> <i>M/C-ENDORSEMENT</i>	
CONTRACT NO.:	CS-4540-001A-2-FC-NOA-7227/7228			
MAIN SUPPLIER	BHEL			
MANUFACTURER WORKS & ADDRESS	M/S BHEL HEEP HARIDWAR			
ITEM /EQUIPMENT / SYSTEM/ SUB-SYSTEM DETAILS i.e. MODEL TYPE/SIZE/RATING etc.	ESV & CV CASING, IV & CV CASING AND OVERLOAD VALVE CASING	BHEL QP NO. : 1.06.01		
APPROVED QP NO.: RQP/SQP/RFQP/SFQP	9915-371-110-HWR-QVM-Q-115 REV. NO.: 01 DATE: 18.01.2020			
Confirmation by Main Supplier (TICK WHICHEVER APPLICABLE)			(TICK APPLICABLE)	
I. That the item/ component is identical to that considered for QP approval. OR.			The QP is endorsed for this project without any change	
II. That there are minor changes in the item/ component with respect to that considered for QP approval, however the same do not affect the contents of QP. OR				
✓ III. That there are minor changes in the item/ component with respect to that considered for QP approval, however the same affect the QP slightly, as indicated below / in attached sheet.				
NOTE: “*in case of offloading on BHEL approved sub-contractors“ may be read as “* in case of sub-contracting on BHEL accepted sub-contractors” accepted			✓ The QP is endorsed for this project with changes as indicated.	
			<u>DISTRIBUTION OF ENDORSEMENT OF</u> A) RQP/SQP: 1. MAIN SUPPLIER (WITH A COPY OF QP) 2. MANUFACTURER 3. RIO 4. CQA-SPL 5. CQA-O/C B) RFQP/SFQP: 1. MAIN SUPPLIER (with a copy of QP) 2. MANUFACTURER 3. NTPC FQA (with a copy of QP) 4. NTPC Erection (with a copy of QP) 5. CQA-SPL 6. CQA-O/C	
 SIGN.: (Main Supplier) DATE: 24.12.2022	SIGN.: (Manufacturer)	DATE:	NTPC (Reviewed /Approved by/ Date & Seal)	

Chandekar

 HARIDWAR		MANUFACTURING QUALITY PLAN						PROJECT: KHURJA STPP (2 X 660 MW) PACKAGE: MAIN PLANT PACKAGE CONTRACT NO. 9915-371 MAIN SUPPLIER: BHEL, Haridwar					
													ITEM: ESV & CV CASING, IV & CV CASING AND OVERLOAD VALVE CASING
		REV. 01											
		DATE: 18-JAN-2020											
		PAGE 1 OF 1											
SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS		AGENCY			REMARKS
										S	B	C	
1	2	3	4	5	6	7	8	9	D*	10			11

1.000	Receiving Inspection												
1.110		Verification of supplier's certificates for casing	Major	Certificate review	100%	As per drg./spec.	As per drg./spec.	Receiving inspection record	✓	-	P	V	From customer approved sources
2.000	In process inspection												
2.100		Check for all bores for instrument connections, drains, etc.	Major	Visual	100%	Drawing	Drawing	Obs. Sheet		-	P	-	
2.200		Stress relieving (except overload valve)	Major	Stress relieving	100%	Drawing	Drawing	SR Graph		-	P	-	
2.300	NDT	RT/UT and SCE of mfr. Welds (except overload valve)	Major	NDT	As per Drg.	Drawing	Drawing	Report	✓	-	P	V/W	RT-Film review UT & SCE- Witness
2.400	Hardness survey	Hardness survey (except overload valve)	Major	Mechanical	100%	Drawing	Drawing	Report	✓	-	P	W	
2.500	Dimensions	Verification of machined dimensions and visual inspection after machining	Major	Visual & Measurement	100%/Random	Drawing	Drawing	Logsheets	✓	P*	P/W*	V	
2.600	NDT	SCE examination of stub connection, if applicable	Major	NDT	As per Drg.	Drawing	Drawing	Report	✓	-	P	V	
2.700	Pressure & leak test.	Pressure & leak test.	Major	Hydraulic	100%	Drawing	Drawing	Hyd. TC	✓	-	P	W	
2.800	NDT	MPI of welds ends after finish machining	Major	NDT	As per Drg.	Drawing	Drawing	Report	✓	-	P	V	
3.000	Final inspection												
3.100	Cleanliness check	Check for cleanliness & completeness	Major	Visual	100%	Drawing	Drawing	Report	✓	-	P	V	

*In case of offloading on BHEL approved sub-contractors.

	 (I B Kumar)	Legend: * Records identified with "tick" shall be submitted to customer as a QA Documentation package. S= sub-vendor, B= BHEL/ BHEL nominated inspection agency, C= Customer/ customer representative, P= Perform, V= Review of records W= Customer witness (not hold, BHEL to give advance notice and customer to Associate but work will not stop. CHP= Customer Hold Point (work will not proceed unless the clearance from customer)	<div><div></div><div>Reason: CAT I</div><div>Location: NTPCEOC</div></div>	DOC. NO. 9915-371-110-HWR-QVM-Q-115 REV 01 CAT			
	 Approved By: (A K Swami)						
	MANUFACTURER/ SUB-CONTRACTOR			MAIN-SUPPLIER	FOR CUSTOMER USE	REVIEWED BY	APPROVED BY
SIGNATURE							