SPECIAL INSTRUCTION

This is to certified that this enquiry is being issued to "M/s Electronet Equipments Pvt. Ltd." for supply of "Conductivity Sensors & Conductivity Transmitters".

No other vendor's participation will be considered for the requirement of **Talcher (NTPC)** project. Hence, it is requested to please do not participate in this tender enquiry except aforesaid manufacturer / their authorized dealer etc.

Advait Prakash

Dy. Manager (PPX-EM)

BHEL, HEEP, Haridwar

Email-advait@bhel.in

For and on behalf of BHEL

MANUFACTURER'S NAME AND ADDRESS				STANDARD QUALITY PLAN						TO BE FILLED BY BE	IEL		TO BE FILLED I	BY BHEL
DIVEY	VENDOR'S NAME			CONDUCT EQUIPMEN	IVITY MEASU IT	URING	QP NO. REV.	QA/BE/ 07	QP/317					
BHEL	HEL		DRG. NO.	AS PE	ER PO									
			SPEC.	TG 60	196									
			REV	AS PE	R PO			Page 1 o	2					
SL.	COMPONENT &	(CHARACTERIS	STICS	CLASS	TYP	E OF	QUANTUM	REFERENC	E ACCEPTANCE	FORMAT	OF	AGENCY	REMARKS
NO.	OPERATIONS					CH	ECK	OF CHECK	DOCUMEN'	Γ NORMS	RECOR	OS	M B N	
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1.0	INCOMING INSPECT	ION										
1.1	Conductivity sensor,	Visual, make, rating, model, type, valve, etc	Major	Visual	100%	TG 60196	TG60196/BOM	Internal records	٧	Р	V	
	conductivity transmitter and											
	other electronic & electrical											
1.2	components Flow chamber, electrode	Material	Major	Visual	100%	TG 60196	TG60196/BOM	coc	٧	Р	V	
1.3	Printed Circuit Boards	Visual, finish & dimensions	Major	Visual	100%	TG 60196	TG60196/BOM	Internal records	٧	Р	V	
1.4	Housing & enclosures	Visual defects, cutouts, drills, taps & painting	Major	Visual	100%	TG 60196	TG60196/BOM	Internal records	٧	Р	V	
2.0	INPROCESS INSPECT	TON										
2.1		Burn in test	Major	Electrical	100%	TG 60196	TG 60196 / Appd drawing	Test report		Р	-	
2.2	Assembly of instruments	PCBs assemblies	Major	Visual	100%	TG 60196	TG 60196 / Appd drawing	Internal records		Р	-	
2.3		Housing & enclosure assemblies	Major	Visual	100%	TG 60196	TG 60196 / Appd drawing	Internal records		Р	-	
2.4		Internal layout, wiring, connections, and terminal marking	Major	Visual	100%	TG 60196	TG 60196 / Appd drawing	Internal records		Р	-	
3.0	FINAL INSPECTION	-		-		-						
3.1	Type tests											Refer note
3.2	Routine tests											•

MANUFACTURER/SUBCO NTRACTOR

MANUF	FACTURER'S NAME AND		S	ΓANDARD	TO BE FILLED BY BHE	L	TO BE FILLED BY BHEL								
	VENDOR'S NAME	ITEM	CONDUCT: EQUIPMEN	IVITY MEAS	URING	QP NO. REV.	QA/BE/Q 07	P/317							
BHEL		DRG. NO	O. AS PE	ER PO	I.										
		SPEC.	TG 60	196											
		REV	AS PE	ER PO			Page 2 of								
SL.	COMPONENT &	CHARACT	ERISTICS	CLASS	TYPE	-	QUANTUM	REFERENCE		FORMAT (GENC		REMARKS
NO.	OPERATIONS			,	CHE		OF CHECK	DOCUMENT		RECORD		M	В	N	44
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3.2.1		Visual & dim	ension	Major	Visual/ measur		100%	TG 60196	TG 60196 / Appd drawing	IR	٧	Р	W		
3.2.2		Insulation re	sistance	Major	Electric	cal	100%	TG 60196	TG 60196 / Appd drawing	Test report	٧	Р	W		
3.2.3		Burn in test		Major	Electric	cal	100%	TG 60196	TG 60196 / Appd drawing	Test report	٧	Р	V		
3.2.4		Functional/s	imulation	Major	Electric	al	100%	TG 60196	TG 60196 / Appd	Test	٧	Р	W		
		test (Output							drawing	report					
		LED indicato	_												
		indications a	_												
		FIVE input va													
		operating ra													
3.2.5		Compliance		Major	_		100%	TG 60196	TG 60196 / Appd	COC	٧	P	V		
		requirement							drawing				-		
3.2.6		Completenes		Major	Physica	al	100%	TG 60196	TG 60196 / Appd	Docume	٧	Р	V		
		correctness	of						drawing /SQP	nts					
		documents													
4.0	Packing & marking	L		I.		Į.		l	1	I		1	1	ı	
4.1		Identification	n & marking	Major	Physica	al	100%	TG 60196	TG 60196	Internal records	٧	Р	V		
4.2		Sturdiness of	f packing	Major	Physica	al	100%	TG 60196	TG 60196	Internal	٧	Р	-		
		against trans	sit damage							records					

Note:

- Type tests clearance from BHEL Engg to be verified (by inspection engineer) during inspection at vendor's works.
 Manufacturer to maintain calibrated instruments having better accuracy than the item under test. Inspection engineer shall check the same.

MANUFACTURER/SUBCO NTRACTOR	LEGEND: D RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION. M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER IR: INSPECTION REPORT INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER	FOR CUSTOMER USE	SACHIN . 2021.07. 16:22:29	13
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MANUFACTURER'S NAME AND ADDRESS		ADDRESS			QUALITY PLAN	N		TO BE FILLED BY BHE	L	TO BE FILLED BY BHEL				
DHEI	VENDOR'S NAME	ITEM			QP NO. REV									
BHEL		DRG. NO. SPEC.	AS PI	ER PO ER PO										
		REV				Page 1 of	1			ı		T		
SL. NO.	COMPONENT & OPERATIONS	CHARACTERI	STICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCI DOCUMENT	T NORMS	FORMAT OF RECORDS	AGE M B	N	REMARKS		
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	LEGEND: ! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY	FOR CUSTOMER USE	
MANUFACTURER/SUBCO NTRACTOR	CONTRACTOR IN QA DOCUMENTATION. M: MANUFACTURER / SUBCONTRACTOR N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION		APPROVED BY
	ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER		