

**TENDER ENQUIRY FOR VIS FOR BFP FOUNDATION FOR 1X525MW MEIL TUTICORIN
STG.IV**

Date: 14.10.2016

CORRIGENDA-2

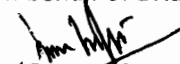
Tender Enquiry no.: PE/PG/MEI/E-5349/2016 Dated 13.09.16

DUE DATE
21-OCT-2016
02:00 PM IST

It may please be noted that Quality Plan has been changed (attached) and bid submission due date for tender enquiry no. **PE/PG/MEI/E-5349/2016** dated 13.09.16 floated for "VIS FOR BFP FOUNDATION" package for subject project has been extended till 21.10.2016 (02.00 PM). Techno-commercial bid shall be opened on 21.10.2016 (03.00 PM).

NO FURTHER EXTENSION FOR BID SUBMISSION SHALL BE GRANTED FOR THIS TENDER.

With Regards,
For & on behalf of BHEL


(Gaurav Gupta)

Sr Engineer/PG-II-1/ BHEL-PEM

Please reply to:

**Gaurav Gupta, Sr Engineer
PG-II-1**

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM, Noida-201301 (U.P.)

Tel No. 0120-4368685/4368519, Fax: 0120-4329106

Manufacturer's logo		Manufacturer's name and Address			MANUFACTURING QUALITY PLAN (I-QAP)				Project: Main supplier: BHEL BHEL P.O NO:					
ITEM : Vibration isolation system Equipment: Spring Unit: Module name as per Vendor		QP No: Rev : Date : Page :			REFERENCE DOCUMENT		ACCEPTANCE NORMS		FORMAT OF RECORD		AGENCY		REMARKS	
Sl. No.	COMPONENT AND OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	8	9	10			11		
1	2	3	4	5	6	7			D	M	C	B		
1	Materials													
1.1	For boxes	Chemical/Mechanical	Minor	Verify	One / Heat	IS 2062/DIN EN 10025/JVHT 02/JVHHT 01/B00/SAILMA 350 HI/SAILMA 350 or equivalent	Same as column "7"	Certificate	✓	P	V	V		
1.2	For Springs	a) Chemical	Major	Verify	One / Lot	50 Cr V 4 As per DIN 17221 or 51 Cr V 4 As per EN10089 or Equivalent	Same as column "7"	Certificate	✓	P	V	V		
		b) Grain Size	Major	Verify	One / Lot	ASTM E 112	ASTM 5 or finer	Certificate	✓	P	V	V		
		c) NMI	Major	Verify	One / Lot	IS 4163	ABCD series T/H-2.0/1.5	Certificate	✓	P	V	V		
		d) Micro structure	Major	Verify	One / Lot	--	DIN 17221 or equivalent	Certificate	✓	P	V	V		
1.3	Springs at Manufacturer's end	Hardness	Major	Test	One/Lot	IS 1500	415-460 BHN	Certificate	✓	P	V	V		
1.4	Springs at Manufacturer's end	Decarburization	Major	Test	One / Lot	IS 6396	Max. depth 0.5% of bar dia - partial	Certificate	✓	P	V	V		
1.5	Springs at Manufacturer's end	NDE after compression	Major	Test	100%	IS 3703	No cracks	Certificate	✓	P	V	V		
1.6	Adhesive pads (jute), 4mm thick, Steel shims	Spring Rate	Major	Test	AQL 4.0	DIN 2096	Same as column "7"	Lab Register	✓	P	V	V		
1.7		Dimensions (mm)	Minor	Measure / Visual	5 %	Drawing	DIN 7168 Sg	Internal Record	✓	P	V	V		
1.8	Viscoliquid	Penetration speed (mm/sec)	Major	Test	Sample	DIN 53019 or equivalent	Same as column "7"	Certificate	✓	P	V	V		
1.9	Studs & Nuts	Chemical Dimensions (mm)	Minor	Verify Measure	One / Lot 5%	IS 1367 (Grade 6.8 & Class 6) IS 4218 (Tolerance Class 6g & 6H)	Same as column "7"	Lab Test Report	✓	P	V	V		
2						In Process Inspection								
2.1	Welding	Visual / Surface exam (mm)	Major	Visual / Measure	10% on welds	Annexure-1 (attached)	Same as column "7"	Certificate	✓	P	V	V		
2.2	Boxes	NDE	Major	DPT	10% Random	ASTM / E 165	Same as column "7"	Certificate	✓	P	V	V		
		Dimensions (mm)	Major	Measure	10%	Drawing & data sheet	EN ISO 13920 C	Internal record	✓	P	V	V		
3						Final Inspection								
3.1	Shot Blasting	Picture	Major	Compare	10%	EN ISO12944-4	SA - 2 ½	Certificate	✓	P	V	V		
3.2	Painting	Thickness (180 microns)	Major	Measure / Visual	10%	Annexure-2 (attached)	Same as column "7"	Certificate	✓	P	V	V		
3.3	Spring Unit	Dimensions (Except HF&HV)	Minor	Measure	10%	Drawing / Datasheet	EN ISO 13920 C	Internal Record	✓	P	W	V		
3.4	Constant of Spring Units (Vertical: Kv)	Load Vs Displacement (kN/mm)	Critical	Test	10%	DIN 2096 & DIN 2089	Data Sheet	Certificate	✓	P	W	V		
3.5	Document Control	Verification of above documents (TC/IR)	Major	Compare	All	MQP	Same as column "7"	Certificate	✓	P	V	V		
3.6	Packing / Marking	Visual	Major	Visual / Compare	100%	As per vendor's standard	Same as column "7"	Certificate	✓	P				
MANUFACTURER/ SUB-CONTRACTOR		CONTRACTOR		LEGEND: # RECORDS, IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY MANUFACTURER IN QA DOCUMENTATION M: MANUFACTURER/ SUB-CONTRACTOR C: : MAIN SUPPLIER, B: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION										
SIGNATURE				NAME & SIGNATURE OF APPROVING AUTHORITY WITH SEAL										