		A			3							
# B						CAPITAL						
ि दिनांक एवं हस्ताक्षर SIGN & DATE	भी एम ई एम					पृष्ठ 1 का 2						
दिनांक SIGN	ПІН	PRODU	CT.PUR	CHASE SPECIFI	CATION	Page 1 of 2						
SUPERSEDES INVENTORY NO.	PM 2.5/PM10 AMBIENT AIR SAMPLER											
	1. PM 2.5 / PM10 Ambient Air Sampler equipped with capability of measuring PM 2.5 and											
सामग्री सूची संख्या को अधिकमित करता है	PM 10 dust using Brushless Motor. 2. PM 2.5 and PM10 Impactors of sampler based on standardized designs. 3. The sampler using a brush-less pump with a low noise.											
आमियी अधिय	The sampler using a brush-less pump with a low noise. Instrument should be capable of sampling PM10 and PM2.5 (one at a time).											
eavy	Equipment to be used for PM10 measurement or PM2.5 measurement (one											
CONFIDENTIAL is the property of Bharat Heavy seed directly or indirectly in any interest of the company	parameter at a time). 5. Lower sampling rate of 1 m ³ /hr.											
TDEN perty of thy or ind the comp	6. Critical Orifice for maintaining sampling rate of 1 m ³ /hr.											
CONF s the pro	7. Compact and portable for field operation.											
COPYRIGHT AND CONFIDENT! The information on this documents is the property of Bha Electrical Limited It must not be used directly or indirec way detrimental to the interest of the company	8. Broad Specification:-											
GHT An this doc	- Particle size : PM 10 (less Than 10 microns) / PM 2.5 (less than 2.5											
COPYRIGHT information on this d rrical Limited.It mu way detrimental	microns).											
CO.	 Sampling rate Sampling rate of approx. 1 m³/hr Filter Media Filter holder - standard 47 mm dia filter media 											
	- Sampling time record : 0-9999.99 hours recorded on time totaliser											
1 प्रत्यक्ष एव न किया जाए	 Sample Volume : Meter for recording the total volume sampled. Power required : 220 V, single Phase. 50 Hzs, AC main supply 											
ं है इसक गरक हो	- Voltage Stabilizer : Equipped with Voltage Stabilizer											
王帝 辰	9. Consumables :											
र एवं गो गीक्ट्रकल्स कपनी के ि	S.N.		Consu	mables	ables Qua							
स्वत्ताधिकार एवं गो इस प्रलेख में दी गई सुभन भारत हैवी इलेक्ट्रिकस्स अप्रत्यक्ष कर में किसी भी तरह प्रयोग, जो कि कंपनी के वि		ilter with identif Pore Size 2µm,		6 pkts								
स्वत्वा सूचना भार तरह प्रयो	for mor) discs										
में दी गई। किसी मी	2 37mm	tor in a	6 pkts.									
इस प्रलेख	3 47mm	sealed packet of 100 discs. 47mm dia GF/A Filter Paper, Whatman make, in a sealed packet of 100 discs for monitoring of Dust PM 10										
98 P.X.P.	100 dis 4 Filter ca		6 pkts.									
r in	5 Silicone	e Oil for Impact		6 Nos.								
हस्तासर एवं दिनांक SIGN & DATE					नाम	दिनांक एवं हस्ताक्षर						
evaler IGN &					NAME	SIGNATURE & DATE						
				अनुवादक TRANSLATED BY निर्माणकर्ता WORKED BY (v) Raignetts and						
				जांचकर्ता CHECKED BY	(Rajendra Yada (Bhoj Raj)	रिनं भिर्मा						
संख्या १ <u>५ NO</u>	सहमत विभाग AGREED DEPTT.	नाम NAME DA	दिनांक एवं हस्ताक्षर FE & SIGNATURE		(Ambrish Goel)	1 1 2 3 3 1						
सामग्री सूची संख्या INVENTORY NO				ম্বীকৃষি APPROVED: (Ambrish Goel)								
F NI	REV.NO.			निर्माण PREPARED :								
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दिनांक एवं हस्ताक्षर SIGN & DATE		बीएम ईएम					पृष्ठ	2	का	2		
्रदिनांव SIGN			PRODUCT	PURCHASE	SPECIFIC	CATION	Page	2	of	2		
SUPERSEDES INVENTORY NO.		10. Optional A	Accessories :									
SUPE		Gaseous Sampling Attachment										
संख्या को रुरता है		Specification	ons:-		~~							
सामग्री सूची संख्या को अधिकमित करता है		 Flow Rate: 0.3 lpm to 3 lpm. Flow Control: four inlet and on outlet with built in needle valves for flow control Sampling Train: 4 no. of 35 ml borosilicate midget glass impingers with four inlets 										
NTIAL operty of	the interes	11.0 General	Terms & Condition	ons								
T AND CONFIDENTIAL on this documents is the property of	真	11.1 Document: Two hard copies of O&M manual in English language giving complete technical information for operation and maintenance of the equipment including circuit diagram shall be supplied.										
COPYRIGHT / The information on	directly or indirectly	11.2 Installation and Commissioning: The supplier shall demonstrate the performance of the Equipment at PCRI,BHEL Haridwar and all its accessories to ensure compliance with complete specifications & parameters quoted by them to the satisfaction of BHEL										
rai.	— वार्ष	11.4 The equipment shall work on 220 VAC, 50 Hz single phase supply.										
है इसका प्रत्यक्ष	गरक हो न किया	11.5 Guarantee: The equipment shall be guaranteed for satisfactory performance for a period of 12 months from the date of commissioning.										
एवं गोपनीय हकल की सम्पत्त	16 √E	11.6 Packing & Dispatch: The equipment / accessories shall be packed in a suitable water proof/vibration proof packing boxes capable of bearing road transit hazards.										
स्वत्वाधिकार प्रमायत क्षेत्र किसी भी तरह प्रयोग, जो कि क्षेत्र हमें क्ष्मित कर प्रयोग, जो कि क्ष्म स्वत्वाधिकार Nil												
स्वत्व गईसवना भ	ो भी तरह प्रय	·			•							
प्रलेख में यी	। रूप से किस				-							
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हस्साक्षर एवं दिनांक SIGN & DATE												
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सामग्री सूची संख्या [NVENTORY NO.		REV.NO.			निर्माणकर्ता WORKED BY		Raig	المحار)			
					जांचकर्ता	Rajendra Yadav	(3)	1.0r	+			
सामग्रे INVEN					CHECKED BY	Bhoj Raj	171	71VO	'			

PRE-QUALIFYING REQUIREMENT (PQR):

Only those vendors(OEMs) should quote who have supplied and commissioned at least one equipment of same size in the past ten years(on the date of opening of tender) and referred equipment is presently working satisfactorily for more than one year after commissioning(on the date of opening of tender).

The following information is to be submitted by the vendor about the companies where similar equipments have been supplied. This is required for all vendors for qualification of their offer.

- a. Name of the customer/company where referred system is installed
- b. Complete postal address of the customer.
- c. P.O.No., date, scope of supply and Month & year of commissioning.
- d. Name and designation of contact person of the customer
- e. Phone, Fax no. and e-mail address of the contact person of the customer
- f. Performance certificate from the customers regarding satisfactory performance of system supplied to them (Original Certificate or Through E-mail directly from customer).

The original performance certificate may be returned after verification by BHEL, if required.

- 1. Prices should be quoted for individual items separately. However all the items shall be procured from same party only in view of consideration of technical compatibility of these items. etc. which have been quoted
- 2. Party should indicate any other operating/ environmental requirement for safe and trouble-free operation of system and also any specific requirements of the system for continuous operation over prolonged periods as may be required in process monitoring/control applications.
- 3. Party shall quote all items even which are not mentioned in specification.

(Rhai Pai)

(Bhoj Raj)

Sr. Manager (PCRI)

DGM (PCRI) Hend 218 10