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 SL NO. 02  
 BY R. GOPALAN


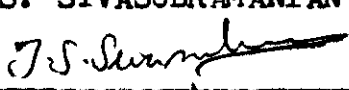
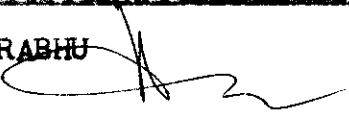
Standard Purchase Specification for 'SCP' (Spares Centre  
 'P' category) items.

Spare Code :	Name of the Component  AIR SET W/MB ½" NPT (F) 0-7.0 kg/sq.cm	SCP No. ✓	13151
Material Code: 96 164 033		Rev.No.	00
Indigenous : ✓		Effective Date:	28/02/94
Imported :		Issued by : SDGM/CE&M	Signature:

- 1.0 Applicable PGMA : 42-999
- 2.0 Applicable Drg.No. with Rev.No. & Date : Nil
- 3.0 Applicable Standard No. with Rev. No.& Date : Nil
- 4.0 Specification : SPEC. 13151
- 5.0 Supply condition of matl. : As per Supplier's Packing Proceudre.

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- 6.0 TDC No. with Rev. No. & Dt. : NIL
- 7.0 QP No. with Rev. No. & Dt. : NIL
- 8.0 QCP No. with Rev. No. & Dt. : NIL
- 9.0 Weight/ Piece : : 2.00 kgs.
- 10.0 Unit : NO.
- 11.0 Estimated Price and Date : -
- 12.0 Previous Purchase Order No. & Dt. : -
- 13.0 Vendors to be contacted : As per approved Vendors' List.
- 14.0 Remarks : Latest revision of spec. to be used.

	NAME SIGNATURE	DATE
PREPARED BY	V. GANDHI 	
CHECKED BY	T.S. SIVASUBRAMANIAN 	
APPROVED BY	K.Y. PRABHU 	

AIR SET (OR) AIR FILTER - REGULATORS

1. Item Names & BHEL Material Codes : Item 1 : Air set W/MB,  
0 to 3.5 1/4 NPTF  
Code : 96 164 032  
Item 2 : Air set W/MB,  
0 to 7.0, 1/4 NPTF  
Code : 96 164 033.
2. Type : Compressed Air service filter - regulator set with pressure gauge and manual drain; Relieving type Diaphragm Regulator.
3. Port Size : 1/4 NPT female
4. Mounting Accessories : Mounting screws & nuts with bracket to be included.
5. Regulated secondary pressure range : 0 to 3.5 kg/sq.cm(g) for item-1 &  
0 to 6.0 kg/sq.cm(g) for item-2
6. Normal Primary Pressure: 7 kg/sq.cm (g)
7. Pressure, Temperature Rating : 10 kg/sq.cm(g), 65°C
8. Air flow rate : 10 Normal cubic meter/hour
9. Output pressure gauge : 0 to 4.0 kg/sq.cm(g) range for item-1 and  
0 to 10.0 kg/sq.cm(g) range for item-2  
± 0.5 % accuracy and 55 mm dial.
10. Set pressure adjustment : By external knob with locking nut
11. Drip well capacity : 125 CC
12. Drain cock : Integral, manual

(W)


13. Construction and material : Body & Drip well - Die cast Aluminium  
Drain cock - Metallic  
Valve spring, seat & trim-316 SS  
Diaphragm - Neoprene or Buna N  
Gaskets and O-rings - Buna N  
Filter Element - 5 Micron Sintered Bronze  
Bourdan Tube - Phosphor Bronze
14. Flow characteristics : Secondary pressure shall not drop more than 10% of set value when the flow varies from 0 to 10 N cu.N/hr.
15. Regulation characteristics : Secondary pressure shall not vary more than 1% of set value when the primary pressure varies by  $\pm 10\%$  at control flow rate of 0.8 NCUM/hr (0.5 SCFM)
16. Surface finish & Painting : phosphated or anodized and epoxy coated.
17. Following works test certificates shall be submitted along with supplies :  
a. Body leak test done at 15 kg/sq.cm(g)  
b. Flow characteristics  
c. Regulation characteristics  
d. Gauge calibration test
18. Marking : In addition to manufacturer's standard name plate, name tags carrying item name and BHEL Material code shall be permanently affixed on to each assy.

19. Packing : All opening firmly capped; mounting plate and fasteners mounted each set individually sealed in polythene covers & placed in thick card board boxes with thermocole or equivalent wrapping; Bulk supplies packed in wooden boxes with pads and undercovers, well protected against ingress of water and transit damages.
20. Inward Inspection : Verify name tags, name plate details, port size and test certificates.  
Watch for transit damages.
21. Along with quotation submit point by point reply to this specification and also catalogues, sectional drawings, graphs and other details as necessary to verify the technical conformity to this specification.

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Vendors :

Shervo Norgren; Veljan, Flowcon  
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PREPARED BY V.GANDHI. 

CHECKED BY T.S.SIVASUBRAMANIAN. 

APPROVED BY K.Y.PRABU. 

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