

ANNEXURE TENDER NO 53.12.5249 DUE ON- 05.12.2012**Description** A set of Digital meters. Make- Agronic/ Meco/Motwani.**Qty** : 01 set.(One Set).

Set consists of following Digital meters.

Sl. No.	Description	Qty.
1	4.1/2 Digit Digital Multimeter Model No. Agronic -68 or Eqv. Ranges - DC Voltage - 200 mV to 1000V, AC Voltage - 2V to 750 volts, DC Current - 2mA to 20A, AC Current - 200mA to 20 A, Resistance - 200 Ohm to 20 M. Ohm , Capacitance =1 pF to 20 micro F, Frequency = 10 Hz to 20 KHz.	05 nos.
2	4 Digit LCD type Non contact type laser beam temperature indicator to model no. Agronic- 8811 or Eqv., Range: (-) 20 degree's to 530 degree's with accuracy of $\pm 2\%$ ± 2 degree C , Operated by 9 Volt battery	04 nos.
3	3. 1/2 digit digital LCR meter model no. Agronic-24 or eqv. Range: Induction- 200 μ H to 20 H, Capacitance - 200 pF to 20 mF, Resistance - 200 Ohm to 20 M Ohm.	04 nos.
4	3.1/2 Digit digital Insulation tester (Earth resistance tester) operated by 8 volt Ni-Cd rechargeable battery with charger adopter for $230 \pm 10\%$ V AC supply, Range and resolution: i) 0 to 10 Ohms with resolution 0.01 Ohm, ii) 0 to 1000 Ohms with resolution 1 Ohm.	05 nos.

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ANNEXURE TENDER NO-53.12.5250 DUE ON -05.12.2012**Description:** A set of testing meters. Make- Agronic/ Meco/Motwani..**Qty** : 01 set. (One set)

Set consists of following testing meters.

Sl. No.	Description	Qty.
1	AC/DC Clamp meter (Tong Tester) to model no. Agronic CM 2026 or Eqv., Rang: DC voltage 200 mV to 1000V, AC voltage 2V to 750V, DC Current 200A to 1000A, AC current 200A to 1000A, Resistance 200 Ohm to 20 M Ohm.	04 nos.
2	Non Contact type with reflective type hand held Tachometer (RPM meter), Model Agronic -81N or eqv., Range 60 to 100000 RPM. Auto ranging. Resolution 0.1 RPM for 60 to 1000 RPM and 1 RPM from 1000 to 100000 RPM, supplied with battery adopter, photo reflective tape of 1000 x 12 mm.	04 nos.
3	High Voltage Breakdown tester (Flash tester), Model Agronic-214A, Range 0 to 5 KV AC, 0 to 100 mA, operated by 230 V AC \pm 10 %, 50/60 Hz. .	02 nos.
4	Set of moving coil type AC & DC meters to Agronic model no. MR – 85 or equv., i) Milli Ampere meter- 0 to 100 mA DC, Qty.-10 Nos. ii) Volt meter- 0 to 100 V DC, Qty - 10 nos. iii) Volt meter- 0 to 150 AC, Qty -10 nos. iv) Volt meter 0 to 300 V AC, Qty - 05 nos. v) Milivolt meter 0 to 100 mV DC, Qty - 10 Nos.	01 set of 05 meters.

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ANNEXURE.TENDER NO – 53.12.5237 DUE ON- 05.12.2012

Description: 4. 1/2 Digit LED display Micro Ohm meter, Range 2 micro Ohm to 2000 Ohm, capable of measuring low resistance with 1 micro- ohm resolution, Model No. - LR -2045 S or equiv.

General /Technical specifications and necessary accessories as follows:

A. General Specification:

Display:	Indication
1. Large seven segment LED display.	LEDs for range and $\Omega / m \Omega$ indication.
2. 4.1/2 digit display.	LED indication for operation and pulse mode.
3. Max. display in digit 19999.	Over range indication: blinking zero display.
4. Display update rate: 2.5 times / second	Under range indication: All display shows zero. (not blinking)

B. Technical Specification:

Range	Resolution	Accuracy \pm(% Rdg.+dgt)	FS rdg.	DC current applied to DUT max	Power dissipation in the sample at Mid-scale.
20 m Ω	1 $\mu \Omega$	\pm (0.05+5)	19.999m Ω	1A	10mW
200 m Ω	10 $\mu \Omega$	\pm (0.05+5)	199.99 m Ω	1A	100mW
2000 m Ω	100 $\mu \Omega$	\pm (0.05+5)	1999.9 m Ω	100mA	10mW
20 m Ω	1m Ω	\pm (0.05+5)	19.999 Ω	10mA	1mW
200 Ω	10m Ω	\pm (0.05+5)	199.99 Ω	1mA	0.1mW
2000 Ω	100m Ω	\pm (0.05+5)	1999.9 Ω	100 μ A	10 μ W

Power Supply:

230 VAC \pm 10%, 50Hz, Single phase supply.

Protection:

Protection against back EMF: 12KV-(1.2/50 μ sec pluse)

Physical Specifications:

Dimensions (H x W x L): 210 x 290 x 360mm

Instrument protected against mains overload.

All ranges are fuse protected.

Net Wt. : 5.0 kg (Approx).

Standard Accessories:

Carrying case	: 1 No.
3 mtrs long test lead with GP Kelvin clip	: 1 Set.
User manual	: 1 No.
Calibration certificate	: 1 No.
Input protection fues (1A)	: 1 No.
Three pin mains cord (1.5mtrs)	: 1 No.

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ANNEXURE- TENDER NO.53.12.5259 DUE ON. 05/12/2012

Description : Anti Traking Varnish TM alkyed resin based air drying pigmented red coloured varnish to IS- 10026 Part –III Section –III for class 130 for finishing coats on field coil and Auxillary machine i.e Bectol red of F-93 of M/s Elantas Beck India Pune or RE-718 of M/s Rotomac New Delhi. Only RDSO approved souces will be considered for placementof orders.(This is shelf life item and should be procured with staggered delivery period. Supplier to mention / print date of manufacturing on the item & item to be supplied within 60 days of manufacturing date).

Qty : 252 kgs.

ANNEXURE TENDER NO-53.12.5247 DUE ON- 05/12/2012

Description: - A Set of Gauges for CBC Screw Coupling as per Annexure attached. One set consisting of 06 items each 01 No. as mentioned below: -

- (1) Screw Pitch Gauge for Knuckle thread RH, Ref: – RDSO Drg. No. SKDL – 2595.
- (2) Screw Pitch Gauge for Knuckle thread LH, Ref: – RDSO Drg. No. SKDL – 2595.
- (3) Condemning Gauge for Long Shackle for Screw Coupling, Size – 39.50 mm. as per RDSO Ref. No. - MP. MI. No. 25 Rev – 00 – January 2006.
- (4) Condemning Gauge for Short Shackle for Screw Coupling, Size – 25.00 mm. as per RDSO Ref. No. - MP. MI. No. 25 Rev – 00 – January 2006.
- (5) Condemning Gauge for checking the play between the hole of Long Shackle and Trunion nut pin: - Size – 278.00 mm. as per RDSO Ref. no.MP. MI. No. 25, Rev – 00 – January 2006.
- (6) Condemning Gauge for checking the play between the hole of Short Shackle and Trunion nut pin: - Size – 178.00 mm. as per RDSO Ref. No. - MP. MI. No. 25, Rev – 00 – January 2006.

Note: - Material tool hardness 50/55 HRC with calibration certificate from Govt. Approved Lab.

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ANNEXURE- TENDER NO -53.12.5246 DUE ON- 05/12/2012

Description: - A set of spare parts of Compressor gear drive Lube Oil Pump (Set consisting of following 06 items as per the quantity mentioned against each)

S. No.	Description	Qty.	Rate	Total Value
1.	Shaft (Idler gear) as per drg. No. SK.DP – 1477, Alt. - latest.	100 Nos.	144 /-	14,400/-
2.	Bush (Pump Body) as per drg. No. SK.DP – 1476, Alt. - latest.	50 Nos.	360/-	18,000/-
3.	Bush (Cover Side) as per drg. No. SK.DP – 1475, Alt. - latest.	50 Nos.	270/-	13,500/-
4.	Bush (Idler Gear) as per drg. No. SK.DP – 1472, Alt. - latest.	50 Nos.	90/-	4,500/-
5.	Wear Plate (Pump Side) as per drg. No. SK.DP – 1471, Alt. - latest.	50 Nos.	270/-	13,500/-
6.	Wear Plate (Cover Side) as per drg. No. SK.DP – 1470, Alt. - latest.	50 Nos.	180/-	9,000/-

Annexure. TENDER NO 53.12.5242 DUE ON- 05.12.2012

Description: - Maintenance Kit E.M.D, J- Filter (Final filter), FTIL part No. 790029125

Sr. No.	Description	FTIL part No.	Qty.
1	Filter Element	029108000	01 no
2	O- Ring	029715000A	01 no.
3	Tetra seal	029720000	01 no.

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Annexure TENDER NO-53.12.5256 DUE ON.05.12.2012

Description:- One set consisting of 05 items for lube oil testing.

Sr. No.	Description	Qty.
1	Viscometer, U-Tube Reverse flow, BS/IP/RF with centre support class "A" Size-5 for opaque liquids.. Nominal constant should be 0.6 to 0.8 at 40 C with certificate.	30 nos
2	Viscometer, Canon Fenske for Transparent liquid. BS/IP/CF with centre support. Class "A" Size:- 100. Nominal constant should be 0.015 to 0.02 at 40 C with certificate.	06 nos
3	Viscometer, Canon Fenske for Transparent liquid. BS/IP/CF with centre support. Class "A" Size:- 300. Nominal constant should be 0.6 to 0.8 at 40 C with certificate	08 nos
4	Water Estimation Apparatus (Dean & Stark) Light Entrainer without stopcock in complete set having 1) Graduated receiver-2 m.l 2) R.B. flask 500 m.l 3) Leibing condenser-300 m.l	02 nos
5	Chloroform Bulb for Burette. Cap- 50 m.l. Made of Rubber	10 nos

Annexure TENDER NO 53.12.5257 DUE ON. 05.12.2012

Description:- One set consisting of 02 items for NDT testing.

Sr. No.	Description	Qty.
1	Fluorescent Magnetic Particle powder Oil suspendible as per RDSO Spec No. M&C/NDT/8/91 approved for magnetic particle examination for wet method fluorescent. equivalent to Orion-600 F or similar	02 Kg
2	Dry developer Powder for Zyglo testing as per RDSO spec No. M&C/NDT/105/2001	25 Kg

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Annexure TENDER NO 53.12.5240 DUE ON. 05.12.2012

Description:- One set consisting of 02 tooling items for replacement of existing tools

S.NO	Description	Qty.
1	High Carbon Steel Half Round File. Size: 14". As per B.S: 498:1990 Make:-J.K /Kenedy	10 nos
2	Double end open Spanner. Size: 9/16" x 1/2" Material: Chrome Vanadium Steel. I.S: 2028 Make:-Everest/Taparia /Trystar	50 nos

ANNEXURE TENDER NO 53.12.5238 DUE ON 05.12.2012

Description: Oil Injection equipment (Pinion Extractor) to model no. INV-IP-02 or equivalent to built hydraulic pressure up to 40000 PSI with accessories as follows.

Qty : 02 Nos.

Sl. No.	Accessories
1	Oil Injection Pump - 01 no. (Pressure capacity – 3000 Kg/Sq.cm)
2	Handle - 01 no.
3	Feeder Bottle - 01 no. (Reservoir capacity – 200 sq.cm)
4	Pump Bracket - 01 no. (Adopter Block)
5	Special Floor Stand - 01 no. With Telescopic Slide
6	High Pressure Flexible tubing - 01 no.
7	Adopter (connecting) Nipples - 02 nos. Suitable for BHEL type Tr. Motor 4906/4907

SMM/D/ NKJ

WEST CENTRAL RAILWAY

**Office of the SMM (D) Diesel NKJ
New Katni Junction KATNI-483501**

Fax No.07622-237104

Email;smmdnkj@gmail.com

Date- 20.11.2012

NO BT NO 16/12-13/NS

M/s

Sub: - Invitation of Quotation's for Tenders

Sr.MATERIAL MANAGER OF STORES-D-(D) W.C.RLY NKJ invites quotations for supply of subjected items on compliance of following conditions.

(01) Separate quotation should be submitted for each.

(02) Rate should be written both in figures and words per in unit as mentioned in tenders.

(03) Quotation should have no over writing.

(04) Quotation should be dropped in the tender box placed for purpose in this office

(05) In case equivalent offer, counter offer should be clearly specified.

(06) Quotation should be addressed to Sr. Material Manger, Diesel, WCR

New Katni Junction. Katni (M.P)-483501

(07)Tender due for opening on 05.12.2012 AT 13.15 Hrs

(08) Delivery period should be within 30 days or earliest other wise will be passed over.

(09) 100% Payment after receipt and acceptance of material.

(10) Discount if any should be included in the rate it self and should not be quoted separately

(11) Order will be cancelled after expiry of delivery date without any intimation

(12) Drawing no and sample can seen in Sr. DME (D) NKJ'S office (M/C) in working hours.

(13) Railways reserve the right to cancel/drop entire or any part of the Tender/PO at any time

(14) Place of delivery/FOR – SMM (D) NKJ.

Note- Please indicate your Name of the Bank, Bank A/C NO and IFSC Code

SMM/D/ NKJ