

| | | | |
|-----|-------------------|---|-------------------------------|
| 22. | 2.13.2 and 2.13.3 | <p>Voltage Stabilizer & Ultra Isolation Transformer (if required)</p> <p>VOLTAGE STABILISER</p> <ul style="list-style-type: none"> • Manufacturer's Name • Type of voltage stabilizer : <ul style="list-style-type: none"> a) DC servo motor type b) AC servo motor type c) Solid state • Rated capacity in KVA • Nos. of phases & frequency • Type of input supply unbalanced • Input voltage • Output voltage • Rate of correction • Class of insulation & winding (only copper wound is acceptable) • Type of control circuitry • Class of duty • Type of cooling • Indicating instruments and their ranges • Safety features <p>ULTRA ISOLATION TRANSFORMER</p> <ul style="list-style-type: none"> • Manufacturer's Name • Rated capacity • Ratio of input/output voltage • Class of insulation • Arrangement for suppression of power line surges, spikes, transients and noises • Type for cooling. | Compliance/ Value /Writeup |
| 23. | 3.1 to 3.10 | General Characteristics | Compliance/ Value /Writeup |
| 24. | 3.8.1 to 3.8.7 | <p>Details of lubrication system</p> <ul style="list-style-type: none"> • Make of lubrication motor & pump • No. of lubrication points • Tank Capacity • Motor power in KW • Filter size (if used) • Nos. & details of safety devices. | Compliance/ Value /Writeup |
| 25. | 4.1 to 4.2 | Technical Documentation | Compliance/ Value /Writeup |
| 26. | 9.0 | Inspection & testing at Manufacturer works | Compliance/ Value /Writeup |
| 27. | 15.0 | Color | Compliance/ Value /Writeup |
| 28. | 16.1 to 16.8 | Warranty Obligation | Compliance/ Value /Writeup |
| 29. | 17.1 to 17.3.13 | Annual Maintenance Contract | Compliance/ Value /Writeup |
| 30. | Misc.-I | <ul style="list-style-type: none"> • Total weight of the machine. • Total weight of machine along with packing | Compliance/ Value /Writeup |

| | | | |
|-----|-----------|--|-------------------------------|
| | | <ul style="list-style-type: none"> • Total connected electrical load and its break up. • Details of quoted machine like brand name, model etc. • Total working area • Maximum floor space area required for installation and commissioning of the machine. • Facilities required during commissioning of the machine • Overall dimensions of the machine in packed condition. • Maximum size of packing and no. of packages | |
| 31. | Misc-II | <p>Compressor: i) Make _____ ii) Model _____</p> <p>(A) Engineering Data</p> <ul style="list-style-type: none"> • Grade/Number of stages. • Shaft horsepower per cubic meter FAD (as per ISO: 1217 and 100% flow rate). • Specific fuel consumption of compressor in gm/m³ per min. FAD as per ISO:1217 i.e. taking into account all losses at 100% flow rate (i.e. at full load). • Working pressure at outlet discharge point. • Oil Fill Capacity. • Type of cooling • Receiver tank capacity. • Temperature of Air leaving the outlet valve. • Outlet size • Overall dimensions of combined unit with canopy: • Gross/ Net weight of combined unit with canopy. <p>(B) Rotor screws: Main rotor rpm & Life of rotor screws.</p> <p>(C) Oil Cooler: Arrangement provided to ensure that oil temperature does not rise to 55 deg.C above ambient.</p> <ul style="list-style-type: none"> • Pump capacity. • Frequency of oil change • Cooling capacity. <p>(D) Prime Mover/Diesel Engine:</p> <p>Engineering data</p> <ol style="list-style-type: none"> a) Make, Type & Model No. b) Operating speed (Maximum/ Minimum) c) Power output d) Fan + Alternator Power e) Fuel Oil consumption at full load full speed and No Load: f) Lube oil Capacity g) Fuel Oil Capacity h) Make & Grade of Coolant i) Type, make, model of Batteries j) Type, make, model of Coupling k) Technical literature/manuals/brochures of the engine/ sub-assemblies depicting write-ups and drawings/sketches | Compliance/ Value /Writeup |
| 32. | Misc.-III | <p>Operation cost for one year in rupees – 15.99XSFCXCFMXC Where, SFC- specific fuel consumption in gm/ (m³/min)</p> <p>CFM- cubic feet /min, C- cost of diesel in Delhi on date of opening of the tender in rupees</p> | Compliance/ Value /Writeup |

Signature of the authorized representative of the
tenderer with company stamp

Annexure-A1 (Certificate of Performance)

Important Note: i) The certificate shall not be older than one year from the original date of closing of tender. The performance certificate issued after original date of closing of tender (in cases where tender closing date has been extended) are also acceptable however the machine must have completed one year of satisfactory working after date of commissioning as on original date of closing of tender.
ii) Performance certificate shall contain following information.

Letter Head of issuing authority

(See Important Note above) Date of issuance:

To Principal CAO/COFMOW, New Delhi
Or
TO WHOMSOEVER IT MAY CONCERN

| SN | Head | Details |
|----|---|-----------------------------|
| 1 | Name of the Supplier | |
| 2 | Name of End User | |
| 3 | Name of the machine/description of machine | |
| 4 | Purchase/Supply Order Number | |
| 5 | Date of Purchase/Supply Order | |
| 6 | Date of Supply of machine(s) | |
| 7 | Quantity supplied | |
| 8 | Manufacturer's Serial Number(s) of machine(s) or Plant/system etc. number (or some mode to identify the machine) (Optional) | |
| 9 | Date of Commissioning (Give individual date for each machine) | |
| 10 | Performance of the machine | Satisfactory/unsatisfactory |
| 11 | Any other information which user intends to append, for example a) aspects bringing out similar nature of machine, b) major/leading parameters of the machine | |

Name & Designation
Contact Number
Signature of the issuing authority
Email id
(Seal of the Organisation)

ANNEXURE-B

FORMAT FOR INDEMNITY BOND

This deed of Indemnity executed by M/s. ----- hereinafter referred to as Indemnifier' which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, representative and assignees in favour of Central Organisation for Modernisation of Workshops, Railway offices Complex, Tilak Bridge, New Delhi - 110 002, India, hereinafter referred to as the 'Indemnified' which expression shall unless repugnant to the context or meaning thereof, include its successors and assignees witnesses as to.

Whereas the Indemnifier herein had participated in a global tender for the supply of -----
----- (machine name) which is opened on----- (date) on terms and conditions set out interalia in the Tender Document.

And whereas, clause of the above mentioned tender document described that the machine shall be designed for a life of 15 years with regular maintenance and all the structural members of the machine should be guaranteed for 15 years against cracks, breakages etc. during the course of normal operations from the date of commissioning whichever is earlier of the stores supplied by the Indemnifier to the indemnified.

The indemnifier hereby irrevocably agrees to indemnify the indemnified that in the event of the said machine not achieving the life guarantee, the indemnifier shall as may be deemed necessary repair the defective machine at site, free of cost, within a reasonable time specified by the indemnified or reimburse the pro-rata cost of the machine to the extent a life not achieved as per the guarantee, or supply a spare stores for the defective portion only free of cost at site.

Bidder's authorized signatory
With seal

Station:

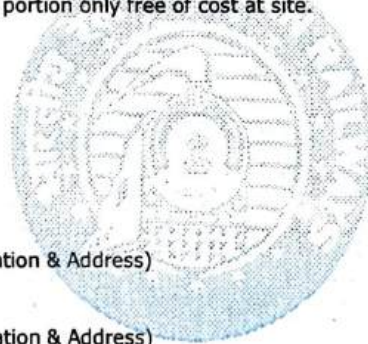
Date:

Witness: 1.-----

(Signature with Name, Designation & Address)

2.-----

(Signature with Name, Designation & Address)



ANNEXURE-C

JOINT RECEIPT INSPECTION NOTE

Note: With the issue of JRI, payment is released to the contractor, as per the terms of contract. Consignee shall satisfy themselves that the conditions of contract are met before issue of the JRI.

Sub: Receipt of consignment for machine.....
Ref: COFMOW Contract No.....

Date:.....

| | | |
|----|---|--|
| 1. | Name of consignee/Railway | |
| 2. | Machine name | |
| 3. | Quantity | |
| 4. | Name of supplier | |
| 5. | Consignment of the machine received on | |
| 6. | The foundation & associated works essential for "Safe Installation of Machine" are ready (for turnkey contracts only) * | |

* If there are Delays on account of Consignee such as clear site is not given, then the condition 6 will not be a valid ground for holding JRI.

It is certified that the consignment of the machine has been received complete and in good condition as per specification shown in the contract.

Tentative plan for installation and commissioning of the machine is as under

| | | |
|------|---|-------------------------|
| 1. | Date of clear site provided | |
| 2. | Contract | |
| 3. | Status of readiness of foundation: | Turnkey/Non-turnkey |
| 3(a) | Already constructed on | |
| 3(b) | Under construction & likely date of its completion | |
| 3(c) | Construction yet to be started from and likely date of its completion | |
| 4. | Status of availability of electrical power, water and compressed air etc. | Available/Not-available |
| 5. | Number of components to be proved out on the machine | |
| 6. | Likely date for start of erection/installation | |
| 7. | Likely date for switch-on the machine | |
| 8. | Likely date of completion of commissioning of the machine | |

**Representative of firm
Designation**

**Representative of consignee
Designation
(Minimum Gazetted level)**

ANNEXURE -D

JOINT COMMISSIONING NOTE

Date:.....

Sub: Commissioning of (name of machine).....

Ref: COFMOW AT No.....

| | | |
|----|---------------------------|--|
| 1. | Name of consignee/Railway | |
| 2. | Machine name | |
| 3. | Quantity | |
| 4. | Name of supplier | |
| 5. | Machine received on | |

6. All the parameters of the machine are found okay. The proving test on the machine was conducted from to and machine is working satisfactorily.
7. Machine has finally been commissioned on..... . The machine has been handed over for regular use and kept under one month observation to watch its performance.
8. Following minor deficiencies (if any) found during joint observation trials are to be attended/rectified by the firm during one month observation and before issuing the PTC for the machine:
 - a.
 - b.
 - c.

Representative of firm
Designation

Representative of consignee
Designation
(Minimum Gazetted level)

ANNEXURE -E

PERFORMANCE APPRAISAL FORM

APPRAISAL ON COMPLETION OF ____ YEAR of WARRANTY PERIOD

To, M/s.

Dated

| | | |
|-------|---|--------|
| 1. | COFMOW AT No. | |
| 2. | Consignee/Railway | |
| 3. | Name of supplier | |
| 4. | Machine Name | |
| 5. | Machine received on | |
| 6. | Machine commissioned on | |
| 7. | PTC issued on | |
| 8. | Warranty period expired on | |
| 9. | Performance during warranty period: | |
| 9(a) | Total number of breakdowns | |
| 9(b) | Total downtime in number of days | |
| 10(a) | Any warranty complaint pending on date | Yes/No |
| 10(b) | If yes, then the date and nature of defect(s) | |

11. In case, of the machine with mandatory PMC during warranty period, following details of breakdown hours for preceding eight quarters must also be furnished.

| Quarter | Period From -----To----- | Breakdown hours |
|---------|-----------------------------|-----------------|
| 1 | | |
| to | | |
| 8 | | |

Signature-----

Name-----

Designation: DY.CME/Sr.DME/Dy.CEE/Sr.DEE

Office Stamp

1. COS/COFMOW/Railway Offices Complex, Tilak Bridge, New Delhi-110 002
2. CME(PCM)/COFMOW/Railway Offices Complex, Tilak Bridge, New Delhi-110 002
3. FA&CAO/COFMOW

Note:

i.) This appraisal may please be sent immediately on completion of first and second year of warranty period. If any extension of warranty period required, may please also be mentioned with details.

ii) Sr.Scale Officer having independent charge is also authorised to sign.

ANNEXURE-F

List of components to be tested on Machine

Not Applicable



ANNEXURE-G

Consignee's Certificate for Quarterly Work Done Under AMC

1. Name of Plant: _____
2. Consignee _____
3. COFMOW AT No. _____
4. Name of Contractor _____
5. Quarterly charges for AMC(Standard): Rs. _____
As per COFMOW AT no. _____ dt. _____
6. Quarter for which bills are preferred: _____
From: _____ To: _____
7. No. of Breakdowns during the quarter: _____
8. **Calculation of Penalty and Net AMC charges payable to Contractor for the quarter:**
 - i. Total Plant Down Time (in days): _____
 - ii. Standard down days for preventive maintenance (in days/quarter): _____
 - iii. Total grace period for break down: _____
 - iv. Net down time for the plant [= (i)-{(ii)+(iii)}] : _____
 - v. 100% Availability for the quarter (in days) : _____
 - vi. Actual availability [= (v)-(iv)] : _____
Actual availability in %age [= {(vi) / (v)}x 100]: _____
 - vii. Calculation of penalty:
 - a. %age availability below 90% to 80%: _____
 - b. %age availability below 80%: _____
 - c. Penalty[={ (vii a)x(5)x0.005 +(vii b)x(5)x0.01}]: _____
 - viii. Net amount payable as AMC charges to [= (5)-(vii c)] _____

It is certified that all spares borrowed by the contractor for the previous quarter have been returned in good condition.

Signature of authorized representative of consignee

**CENTRAL ORGANISATION FOR MODERNISATION OF WORKSHOPS
(C O F M O W)**

Report on Capability Assessment of New Vendors

M/s.....(Name of Vendor).....
Machine/Product Class

Contents:

- Para - 1 : General Information
- Para - 2 : General Information (Technical)
- Para - 3 : Design Capability
- Para - 4 : Manufacturing Process
- Para - 5 : Quality Assurance
- Para - 6 : After-Sales Service
- Para - 7 : Past Performance
- Para - 8 : Commercial Information
- Para - 9 : Conclusions
- Para - 10 : Recommendations

List of Annexures :

- A : List of Managerial Staff
 - B : Plan of Works to be assessed
 - C : List of Machinery & Plant
 - D : List of Raw Materials in Stock
 - E : Q.A.P. of the Firm.
 - F : List of QC equipments, Measuring equipments and Gauges
 - G : List of Important Customers & Orders
 - H : List of pending orders
 - I : Performance of Machines supplied
 - J : Proof of Ownership
 - K : Factory License, NSIC/ SSI
 - L : Copy of Latest Electricity Bill
 - M : Certified copies of Balance Sheet and Profit & Loss accounts
 - N : Income Tax Clearance certificate
- Other Annexure (if any)