

ANNEXURE-F OF SECTION III

DETAILS OF COMPONENTS TO BE LOADED ON THE MACHINE

S.NO.	(A) RDSO DRAWING NO.	Loco/Wagon/Coach
1.	SKDL-2561, alt-8	LOCO
2.	SKVL-526, alt-NIL	LOCO
3.	SKDL-4461, alt-NIL	LOCO
4.	CSL-3040, alt-2	LOCO
5.	SKETCH-92082 alt-1	COACH
6.	WD-89060/S-2	WAGON
S.NO.	(B) COFMOW DRAWING NO.	Details
1.	COFMOW/UFWL/BG/2007 sheet 1 of 7	ROLLING STOCK
2.	COFMOW/UFWL/BG/2007 sheet 2 of 7	LOCO
3.	COFMOW/UFWL/BG/2007 sheet 3 of 7	COACH & WAGON
4.	COFMOW/UFWL/BG/2007 sheet 5 of 7	WAGON
5.	COFMOW/UFWL/BG/2007 sheet 6 of 7	WDS4 LOCO
6.	COFMOW/UFWL/BG/2007 sheet 7 of 7	WAG1 & WAG4 LOCO

ANNEXURE-G OF SECTION -[[[

Consignee's Certificate for Quarterly Work Done Under AMC

1. Name of Plant: _____
2. Consignee _____
3. PO No. _____
4. Name of Contractor _____
5. Quarterly charges for AMC(Standard): Rs. _____
As per PO 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 (indays/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

Signature of DME/08 W /LKO.
Verified
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Location: New Delhi

मण्डल यांत्रिक अभियन्ता
उ०रे०, वाराणसी
Divl. Mech. Engineer
N.R. Varanasi

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Coaching Depot Officer
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सीनियर सेक्शन इंजीनियर
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ANNEXURE-H OF SECTION -III

NORTHERN RAILWAY

REPORT ON FRESH TECHNICAL SUITABILITY ASSESSMENT

on of M/s.....

CONTENTS:

PAGE NO.

Para - 1 :	GENERAL INFORMATION (MISCELLANEOUS)
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 AND RECOMMENDATION

LIST OF ANNEXURES :

A ₁ :	LIST OF MANAGERIAL & SUPERVISORY STAFF
B ₁ :	PLAN OF MAIN WORKS AT NOT ENCLOSED.
C ₁ :	LIST OF MACHINERY & PLANT
D ₁ :	LIST OF RAW MATERIALS IN STOCK
E ₁ :	LIST OF IMPORTANT CUSTOMERS & ORDERS
F ₁ :	DELIVERY AND COMMISSIONING PERFORMANCE
G ₁ :	SSI(and similar)REGISTRATION CERTIFICATES
H ₁ :	COPY OF LATEST ELECTRICITY BILL
I ₁ :	INCOME TAX CLEARANCE CERTIFICATE
J ₁ :	Q.A.P. OF THE FIRM.

Signature Not Verified
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NORTHERN RAILWAY REPORT ON TECHNICAL SUITABILITY ASSESSMENT ON of

M/S

1.0 GENERAL INFORMATION—MISCELLANEOUS

- 1.1 Name of the firm :
- 1.1.1 Reason for Inspection :
- 1.1.2 Background in Brief :
- 1.1.3 Location :
- 1.2 Postal Address. :
- 1.2.1 Head Office :
- 1.2.2 Works/Factory :
- 1.2.3 Agents (if any) :
- 1.3 Telephone No.(with STD code). :
- 1.3.1 Head Office :
- 1.3.2 Works/Factory :
- 1.3.3 Residence of important :
officials.
- 1.3.4 Agents:
- 1.4. Telegraphic address & Telex/Fax.
- 1.4.1 Head Office :
- 1.4.2 Works/Factory :
- 1.4.3 Agents:
- 1.5 Description of Factory/Works.
- 1.5.1 Total land area : (in
Sq.metres)
- 1.5.2 Total covered area :
(in sq.metres)
- 1.5.3 Different sub-units :
(with details of covered/
uncovered area, etc.)
- 1.5.4 Special features, if any :
- 1.6. No. of personnel employed (category-wise).
- 1.6.1 Managerial :
- 1.6.2 Supervisory :
(Attach stt. of managerial & sup.
staff at Ann. A₁)
- 1.6.3 Skilled artisans :
- 1.6.4 Unskilled :
- 1.7 Hours of working :
- 1.8 Is this inspection for fresh technical suitability
assessment? If it is a re-inspection details of
earlier technical suitability assessment(s) to be
furnished or attached.

2.0 GENERAL INFORMATION--TECHNICAL

- 2.1 Description of different departments in the
Factory/Works and function of each department.
- 2.1.1 The break-up of different work areas given below
refers to the main works at . In
addition,
Administrative Block :
Fabrication and assembly. :
Machine Shop :

Sr. DME/C IV /LKO.

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- Store
Laboratory
- 2.1.2 A plan of the works at _____, as described above,
is attached at Annexure-B₁.
- 2.2 Detailed description of Machinery and Plant in each department (make and year of procurement/commissioning to be provided. For special type of equipment copy of pamphlets/ write ups to be furnished so as to supplement the description).
- 2.2.1 The list of machinery & plant available is attached at Annexure-C₁.
- 2.2.2 It will be seen that
- 2.3 Plans for future expansion, if any.
- 2.3.1
- 2.4.1 Details of raw-materials held in stock (state whether imported/indigenous).
- 2.4.2 List of raw-materials held in stock is at Annexure-D₁.
- 2.5 Production Capacity.
- 2.5.1 Per month :
- 2.5.2 Per year :
- 2.6 Type of Stores/Items, which the firm is capable of manufacturing.
- 2.7 Details of Stores/Items/Parts/ components for which fresh technical suitability assessment is sought (please indicate complete description and drawing nos.)
- 2.8 In case, the application is also for inclusion of additional items at the time of technical suitability assessment, give a list of each along with complete description.
- 3.0 **DESIGN CAPABILITY**
- 3.1 Availability of Qualified Personnel.
- 3.1.1
- 3.2 Assessment of Expertise and Facilities.
- 3.2.1
- 4.0 **MANUFACTURING PROCESS**
- 4.1 Level of in-house Facilities
- 4.1.1
- 4.2 Important Items of Work by Outside Vendors
- 4.2.1
- 4.3 Brief details of manufacturing process relevant to the items for which technical suitability assessment is sought.
- 4.3.1
- 4.3.2
- 5.0 **QUALITY ASSURANCE**
- 5.1 Does the factory have an established Quality Assurance Programme. If yes, please enclose a copy of the

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DME/C & P LKO.

मंडल यांत्रिक अभियंता (ई० द०)
मंडल कार्यालय, उ०रे०
हजरतगंज, लखनऊ

मंडल यांत्रिक अभियंता
उ०रे०, वाराणसी
Divl. Mech. Engineer
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write- up? If not, what plans are there if any for setting it up?

5.1.1

5.2

Details of Quality Assurance Organisation.

Names of key

personnel, their qualifications, designations and position in overall management structure (explain with organisation chart, if necessary).

5.2.1

The QC organisation is headed by Shri, who is designated as, with responsibility for

5.3

Quality Control Testing Facilities and Laboratory equipment available.

5.3.1

In-house facilities available for inspection and QC include the following:

5.3.1.1

5.3.1.2

5.3.1.3

5.4

Availability of gauges (please give details)

5.4.1

The following important items of gauging and other related equipment are available:

5.5

Calibration of Laboratory/test equipment/gauges, indicated in para 5.3 and 5.4 above:

5.5.1

How is the calibration done?

5.5.2

Frequency of calibration.

5.5.3

System to ensure that calibration of above equipments does not fall overdue.

5.5.4

Action taken if such calibration has fallen overdue.

5.5.1.1

5.6

Source of procurement of raw-materials, important bought-outs, and steps taken to ensure their quality.

5.6.1

5.7

Details of inspection/checks done on material during various stages of the above manufacturing process.

5.7.1

5.8

Have acceptable values for the parameters inspected during above stage checks been laid down? If yes, the action taken if value of the parameter inspected does not meet the desired laid-down value.

5.8.1

5.9

System for documentation of the results of the above stage checks.

5.9.1

6.0

AFTER-SALES SERVICE

6.1

Facilities Available at Works and Branch Offices.

6.1.1

6.2

Assessment of Quality of Service Including

Response times.

6.2.1

7.0

PAST PERFORMANCE

7.1

List of important customers of the firm (as relevant to the works for which requisition is sought)

7.1.1

This is attached at Annexure-E₁. It is seen that

7.2

Details of important orders executed in the past, and reference to the supplies made.

Also included in Annexure- E₁.

7.3

Important orders in hand

There are presently on order, These are as follows:

Sl. No. Consignee Capacity

7.4

Whether another unit/factory of the firm is already approved by COFMOW/NR for supply of stores/components.

7.5

Performance of machines manufactured and supplied in the past to different consignees.

7.5.1

Selection of Consignees

7.5.2

Machines at M/s

7.5.3

Conclusions on performance of M/s..... m/cs.

7.6

Commissioning Performance

8.0

COMMERCIAL INFORMATION

8.1

Full details of the location of the factory/Manufacturing works.

8.1.1

Address :

8.1.2

Tele. Nos. :

8.1.3

Telex/Fax :

8.2

Copies of following documents obtained and attached as Annexures.

8.2.1

Proof of Ownership. :

8.2.2

Factory Licence

8.2.3

Latest electricity bill. :

8.3

Whether the firm is registered under Indian Factories Act.

8.4

Whether the firm comes under the scope of Industries (Development & Regulations) Act, 1951.

8.5

Income Tax Clearance Certificate Copy attached at Annexure-I₁.

9.0

CONCLUSIONS AND RECOMMENDATIONS.

9.1

Observations and Conclusion

9.1.1

9.2

Recommendations

9.2.1

(SIGNATURE)
NAME/DESIGNATION

Place:

Date:

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**ANNEXURE - A₁ ANNEXURE-H
DETAILED PARTICULARS OF MANAGERIAL STAFF
AS ON-----**

S.No.	Name	Designation	Qualification	Working since
-------	------	-------------	---------------	---------------

**ANNEXURE - B₁ ANNEXURE-H
LIST OF MACHINERY AND PLANT**

S.No.	Description of Manufacturer	Qty.	Year of Items. procurement
-------	-----------------------------	------	----------------------------

**ANNEXURE - C₁ ANNEXURE-H
LIST OF QC EQUIPMENT AND MEASURING EQUIPMENT**

S.No.	Description	Range Least count where applicable	Qty.	Year of procurement
-------	-------------	------------------------------------	------	---------------------

**ANNEXURE - D₁ ANNEXURE-H
LIST OF IMPORATANT ORDERS EXECUTED W.E.F.(DATE)**

S.No	Purchaser Order	Description	Delivery	value	Date recd.	Date Comm.	REMARKS

**ANNEXURE - E₁ ANNEXURE-H
LIST OF PENDING ORDERS AS ON----- (DATE)**

S.No.	Purchaser Order No. and date	Value

Signature of DME/C & W. KO.
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ANNEXURE-I OF SECTION-III

QUALITY ASSURANCE PLAN

MACHINE DESCRIPTION

Category	S. No.	Component/ Process	Sample Size	Type Of Check	Quality record	TYPE OF CHECK	REMARKS
Bought Out Raw Material		Steels	1 Sample / Size	Chemical & Mech.	TC & INV.	V	
Bought Out Components		Bearings	100%	Visual	Inv	V	
		Electric Motors	100%	Review of TC	TC & INV	V	
		Hydraulic Pumps & Elements	100%	Review of TC	TC & INV	V	
		Rubber Seals, O Rings & Seals	100%	Visual	TC & INV	V	
		Controllers	100%	Review of TC	TC & INV	V	
		Ball Screw	100%	Visual	IIR	V	
Bought out sub assemblies		Weld joints					
		Load Bearings	100 %	RT	IR	V	
		Others	5 %	DPT	IIR	V	
Hardness of components		Machine Bed	100%	Hardness	IIR	V	
		Gears	100%	Hardness	IIR	V	
		Couplers	100%	Hardness	IIR	V	
		Hydraulic components	100%	Hardness	IIR	V	
In process Inspection stage		Heat Treatment	100%	Review of Inv.	IIR	V	
		Castings	100%	Visual	IIR	V	
		Spindles	100%		IIR	V	
		surface finish of components	Random	Surface	IIR	V	
		Noise level	100 %	Sound	IIR	V	
		Temperature rise	100 %	Measurement	IIR	V	
		Structures Geometry alignment, Guideways	100%	Relevant ISO/DIN/IS/JIS standard	IR	V	

INV - Invoice
 TC - Test Certificate
 V - Verification
 CHP - Customer Hold Point
 IIR - Internal Inspection Report
 IR - Inspection Report

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Annexure-J of Section-III

FOR DEVELOPMENTAL ORDER ONLY

**Addendum to technical specification no. NR/MECH/CNC-UFWL (BG)/WITH
WORKS/2024(Rev-00)
for tender of CNC Under Floor Wheel Lathe.**

The bidder shall confirm compliance against all the provisions and requirements of Section-I & II of Bid Document Part-II.

Attempt should be made that all the detailed information asked for is submitted along with the bid. It is however likely that some technical detailed information asked for in the specification may not be available at the stage of bidding. In that event, the bidder may like to provide detailed information against some provisions and requirements specified in the following clauses, at a later date (but before submission of GA drawings):

Section-I:

Clause nos 2.4.4, 2.4.6, 4.2.1.1, 4.3.2 and 6.1.

Section II:

Clause nos 1.1, 1.2.2.1.1, 1.2.2.2.1, 1.2.2.4, 1.2.3.2, 1.2.3.3, 1.2.3.5, 1.2.4.1, 1.2.4.2, 1.2.4.3, 1.2.4.4, 1.2.4.6, 1.2.5.1, 1.2.5.3, 1.2.5.4, 1.2.6.1, 1.2.6.3, 1.2.6.6, 1.2.7.1, 1.2.9.4, 1.2.10.1, 1.2.11.3, 1.2.12.1, 1.2.14.1, 1.2.14.2, 1.2.17.1, 1.2.18.1, 1.2.18.20, 1.2.18.33, 3.2.7, 3.6.1, 3.7.1, 3.8.6, 3.8.7, 3.9.4, 3.10.6, 4.1 and 7.1.

Developmental tenderer shall list all such information in the bid and it will have to be provided not later than the target date of submission of GA drawings (D3+180 days) in terms of delivery schedule given below.

DELIVERY SCHEDULE FOR DEVELOPMENTAL ORDER: -**DELIVERY SCHEDULE CHART:**

In the event of acceptance of the offer, the machine(s) shall be supplied as per the following Milestone Chart:

Name of machine - **CNC UNDER FLOOR WHEEL LATHE**

Specification No. - **NR/MECH/CNC-UFWL (BG)/WITH WORKS/2024(Rev-00)**

S.No.	Activity	Activity Code	Outer Limit of Time Schedule expected by NR
1.	Issue of LOA	D1	-
2.	Submission of PBG By Successful Bidder	D2	D1+30 days
3.	Issue of PO By NR (after verification of PBG)	D3	D2+30 days

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4	Submission of GA drawings and requisition for the trial component (s) (if applicable) to consignee by Successful Bidder/Supplier along with information on power and other utilities required for machine.	D4	D3 + 180 days
5.	Approval of GA drawings by consignee (to be governed by clause 11.2 of Section-II) and confirmation of availability of components to be proved out at manufacturer premises and value of BG required for providing prove out components.	D5	D4+ 45 days
6.	Confirmation of availability of clear site by consignee	D6	By D5 (i.e. at the time of approval of GA drg.)
7	Completion of foundation	D7	D6+150 days or latest by D9
8	Submission of BG and collection of components from consignee by the supplier for prove out of machine at manufacturer's works.	D8	<u>D5 + 60 days</u>
9	Supply/ Delivery of machine	D9	D5 + 180 days
10	Power connection for the machine and other on-site requirements to be provided by railways	D10	<u>D9 + 7 days</u>
11	Railway to give call to supplier for the commissioning of machine	D11	<u>D9 + 7 days</u>
12	Installation, commissioning and proving out of machine by supplier	D12	D10 + 180 days or D11 + 180 days (whichever is later)
13.	Issue of PTC by consignee	D13	D12 + 30 days
14	Warranty by supplier	D14	D12 + 2 years
15	AMC	D15	D14 + 5 years

Notwithstanding the delivery period indicated elsewhere in the tender document, the delivery indicated in this schedule shall be taken as overriding and final for developmental order only.

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