

**HINDUSTAN ZINC LIMITED**

Yashad Bhawan, Ext.-CRDL  
P.O. Zinc Smelter, Debari – 313 024  
UDAIPUR, (RAJ.)  
Tel. No. 0294 – 2652159, 2652143

**NOTICE OF INVITATION OF TENDER FOR TRANSPORTATION OF CONCENTRATE BY ROAD**

Tender No. HZL/CONT/IUT/CONCENTRATE/2021-2025/01

Date: 26.11.2021

**LAST DATE OF SUBMISSION: 06<sup>th</sup> Dec 2021**

M/s \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir(s),

1. Sealed tenders are invited for the Transportation of Concentrate using own 40-45 dedicated fleet of high-capacity TRIP TRAILER/DUPMERS from Hindustan Zinc Limited (HZL) Mine to Smelter for the period from January'22 to March '25 as specified under "Scope of Work" appended hereto.
2. Tenders must be submitted in sealed envelope only superscripted on the face thereon "TENDER FOR.... & TENDER NO. .. to reach the below given address on or before the closing hours of 06th December 2021.
3. EARNEST MONEY: -
  - (i) Participating tenderers must deposit Earnest Money Deposit (EMD) of Rs.2,00,000/- (Rupees Two lacs only) in the form of Demand Draft in favour of "HINDUSTAN ZINC LIMITED", payable at Udaipur, Rajasthan.
  - (ii) Cheque, Bank Guarantee (B.G.) or any outstanding payment with Hindustan Zinc Limited (HZL) shall not be accepted / considered as EMD.
  - (iii) The amount of EMD deposited is liable to be forfeited if successful tenderer(s) do not accept the work awarded.
  - (iv) The EMD amount will not attract any interest and the EMD amount will be returned to unsuccessful tenderers after finalization of Work Order.

Yours sincerely,

**Address to submit the tender**For **HINDUSTAN ZINC LIMITED,**

(Authorised Signatory)

**Head – Logistics**

Hindustan Zinc Ltd.

**C.R.D.L. Building**P. O: Zinc Smelter,  
Debari-313024, Udaipur (Raj)

Enclose: - Main terms &amp; Conditions, Annexure A, B, C, D &amp; E.

## **SCOPE OF WORK -**

Transportation of the loose concentrate from Hindustan Zinc Limited (HZL) Mine to Smelter. The quantity mentioned in the said annexure is only indicative & not guaranteed. HZL reserves the right to increase /decrease the quantity or delete any item of transportation or add similar identical item depending upon the requirement of HZL units and no compensation whatsoever shall be payable due to any such addition / deletion / alteration.

Work will be carried preferably by 40-45 own dedicated fleet of high-capacity Tip-Trailer or Dumpers of minimum carrying capacity of 40 mt and accompanied by Mechanized Flip top cover and. The Tip-Trailer/dumpers should have good quality Silver liner/Epoxy Coating for free flow of material during unloading and 100% bottom mounted Hyva hydraulic jack as per the HZL's specification.

### **Additional Safety Features-**

1. Hyva jack with limit switch which will ensure buzzer sound & warning indicator in drivers cabin.
2. Dala Pin, Reverse Camera in vehicle
3. Keith Walking floor for unloading.
4. Driver fatigue management system.

Service provider shall submit the list of tip- trailers / dumpers deployed by them for carrying out this work within 15 days from the start of work to the office of Head – Logistics.

The service provider shall transport the material as per the program given by the office Incharge of the dispatching Unit from time to time and ensure safe delivery of material to consignee (destination).

Transportation cost of material will include placement of vehicles as per plan at Mine (dispatching unit), transportation of concentrate from Mine to Smelter & finally unloading at Smelter (receiving unit, destination).

After unloading the concentrate at smelters all vehicles shall move to Truck Washing Facility at smelters (wherever provided) for a thorough washing, prior to exit from the premises.

Service provider shall be responsible for delivering of original and duplicate copy of invoices at Smelter along with the consignment. If duplicate copy of transporter is lost, transporter should submit affidavit at the time of delivery of goods/ material. Any loss arising out of non-delivery of GST documents is liable to be recovered from Service provider's bills.

The empty & loaded vehicles of concentrate will be weighed on weighbridges both at Mine and Smelter. Service Provider has to strictly ensure that the vehicles are weighed at loading as

well as unloading points. Any dispute arising due to non-weighment of the vehicles at loading or unloading points will not be entertained at a later stage.

All tools / tackles and appliances required for safety of workers for doing this work will be provided by the service provider.

The vehicle used for transportation of material shall be provided by the service provider and shall have valid registration certificate, road permits and insurance to always cover third party risk during the subsistence of the contract. The service provider shall submit the certified copies of all such registration certificates and insurance policies to HZL from time to time and as HZL may require/prescribe. The service provider shall also take photograph of all Lorries with driver and cleaner, along with copy of their driving license duly verified from originals and required to produce the same as and when demanded by HZL.

For protection against rain and dust, the material carried should be covered and tied securely by mechanized tarpaulin.

Service Provider has to ensure that all their vehicles are fitted with GPS devices and regular tracking of vehicles is done and SIT report is mailed on daily basis to respective S&D units and central logistics. HZL will suggest a common GPS Service Provider and the decision of HZL will be binding on all the Transporters to use the services of the common service provider so as to ensure that tracking of all the vehicles is done on a common single platform.

For proper installation of GPS devices, the vehicles must have KEY BASED switch on switch off system in engine.

Service provider shall ensure total compliance of Indian Motor Vehicle Act and amendments thereof as made from time to time. The State Govt. rules under M.V. Act will have to be followed by the transporter. The service provider shall be solely responsible for any breach/s and any damages resulting from such breach/s shall be to service provider's account. HZL shall not be held responsible in manner whatsoever for any such breach/es.

#### **Service Provider's to ensure:**

- ❖ Service provider shall provide all necessary safety gadgets like safety shoes, safety goggles, hand gloves (cut resistance) helmets, reflective Jacket and Safety dress etc. to their employees when they enter in the HZL premises.
- ❖ Service provider shall provide training calendar Safety Training, Behavioral training, Defensive driving training etc) and ensure adherence to it.
- ❖ The service provider's employees must ensure strict compliance of safety measures adopted by HZL.
- ❖ The service providers shall be responsible and liable for payment of salary, wages and other legal dues of the employees employed by him for the purpose of rendering service required by company under this agreement.
- ❖ The service providers shall maintain books, account, records, and documents comply

with all statutory rules and regulations which are applicable to the service providers for the fulfillment of the terms of this agreement.

- ❖ The service provider shall comply in all respect with the provisions of all statutes, rules and regulations applicable to the service provider and/or to the service provider's employees including but not limited to PF act, minimum wages act , ESI Act & Bonus Act & particular the Contract labor (Regulations & Abolition Act,1970) & the rules made there under.
- ❖ Service Provider must ensure that the wages to their employees is distributed by 7<sup>th</sup> of every month as per the rates decided by HZL from time to time and the PF and ESI are deposited by 20<sup>th</sup> of every month. In case of deviation, HZL shall impose suitable penalty on the Service Provider.
- ❖ The Service provider is required to furnish that there is no enquiry /investigation pending by the police against their employees deputed to carry out this job.
- ❖ Service provider shall ensure total compliance of Indian Motor Vehicle Act and amendments thereof as made from time to time. The service provider shall be responsible for any breach/es and damages resulting from such breach/es shall be to service provider's account.
- ❖ The service provider shall be responsible to secure compliance with all central and state laws as well as the rules, regulations, byelaws / notifications and orders of the local authorities and statutory bodies as may be in force from time to time.

#### **WEIGHMENT:**

Service providers must compulsorily deploy vehicle with mechanized tarpaulin.

In Case Vehicle having Mechanized Tarpaulin: No DMT recovery in case the tarpaulin and seals are intact, In case the seals and tarpaulin are tempered or torn, recovery will be on actual shortage basis.

During the mobilization period / as directed by HZL, if vehicle without mechanized tarpaulin is allowed in initial phase then in that case:

**GPS & Digital Lock:** GPS & digital lock will be fixed by HZL.

**Vehicle not having Mechanized Tarpaulin:** Weighment tolerance during unloading is 0.25% on Lead Concentrate and 0.50% on Zinc Concentrate on DMT basis to be worked out on month average basis. In case of shortage beyond the tolerance limit, deduction will be made on shortage above the allowed tolerance limit on the actual market value of the metal in concentrate. In case at the time of weighment at receiving unit if shortage of 400 Kg or more in WMT is observed in any concentrate vehicle, deduction towards equivalent metal value of entire short quantity shall be made. However, this amount shall be deducted from the total amount recoverable on DMT basis. In case there is no recoveries on DMT basis then this amount recovered on WMT basis will stands as such.

**VEHICLE REQUIREMENTS:**

- ✓ Vehicle model should be 2018 or later.
- ✓ Make and model of Vehicles needs to be provided.
- ✓ Self-certification of physical checks on vehicle conditions by transporter.
- ✓ We will prefer the Electric Vehicle which can carry the above-mentioned load.
- ✓ Tenderer should have vehicles which can run on mono LNG fuel system including LNG storage system on truck.
- ✓ Vehicle performance report and engine exhaust emission test of engine in mono fuel mode.
- ✓ Report must have test cases related to variation in speed/torque etc. so that complete engine performance and emissions in different load speed combinations are captured.
- ✓ Should have electronic control devices to control and monitor the engine output and performance parameters, sensors for temperature, pressures, safety equipment etc.
- ✓ Vehicle must have natural gas kit, LNG storage and gas delivery system, safety accessories, sensors etc. as required.
- ✓ Conduct comparison of the engine performance in diesel and mono fuel mode, i.e., LNG on a load box duly ensuring working of all sensors, control devices, safety devices etc.
- ✓ Reliability and verification testing during field trial for 2000 km in commercial service in a zonal area.
- ✓ Mono fuel system should have in built diagnostics and should run a full self-diagnostic on every power on; in addition, it should also run diagnostics at regular intervals even while the engine is in operation. This operation shall be transparent and should not affect the normal working of the system. All faults should be logged for later downloading to a PC/Laptop. Major fault conditions should be indicated by a suitable indicator mounted on the ECU itself.
- ✓ In case vehicles are converted to LNG in-house, no major modification should be required to be done on engine for fitment of natural gas kit. The engine should not exceed the peak cylinder firing pressure limit as defined by OEM in mono fuel mode, i.e., on LNG.
- ✓ It should be suitable for all weather service which is characterized by wide, fluctuating, cyclic load patterns, and extended intervals of operation at idle & full load.
- ✓ The entire system/materials should be of good quality and should have clearances/certifications from PESO, ARAI, I-CAT as applicable or other such organizations of Govt. of India, which needs to be obtained by the tenderer.

**SAFETY REQUIREMENTS:**

- ✓ Both the electronic, mechanical, gas supply systems of LNG fueled diesel engine be so designed that safety of components of truck and personnel is not compromised.
- ✓ Electrical Cabling, fittings, motors, other electrical equipment should be fire resistant, suitable for such operation and should conform to OEM specification. Wiring should be taken through a fire-resistant conduit to prevent damage. There should be no fire hazard from any type of electrical short circuit. Sensors, devices should be shrouded with fire resistant and abrasion resistant materials and should be routed through a proper conduit.
- ✓ 100% redundancy is desired for sensors and devices whose failure can lead to unsafe

operation of engine. For those sensors, where 100% redundancy has not been provided, a fail-safe, fallback strategy shall be adopted for all likely failures. Failure of any single component/ sensor/ sub-system should not lead to a complete shutdown of engine.

- ✓ Gas detection, fire detection, exhaust fans etc. should be adequate and be installed in cascade room as well in engine room. Gas supply should stop from cascade room automatically (as well as manually override switch by driver) in case of shutoff, engine stop, leak or fire is detected in cascade room or in engine room. Automatic operation of safety devices for fast dispersal of gas into atmosphere should happen in such an eventuality.

#### **Preventive Maintenance:**

- ✓ No maintenance including inspection of any type shall be required before 120 days. Tenderer shall specify preventive maintenance schedule required. Care shall be taken by the tenderer to ensure that these schedules match the existing schedules of trucks, and least work content in these schedules would be preferred.
- ✓ The Service provider shall maintain the vehicle maintenance history and monthly Maintenance schedule uploaded in the TMS portal created by HZL

#### **Service Provider's to ensure:**

- ✓ Gas admission and throttle valves.
- ✓ Gas injection control system.
- ✓ Various stages pressure regulators, pressure relief valves, automatic shut off valves, manual shut off valves etc. as required.
- ✓ Additional air after cooler along with pump, radiator tanks and their accessories if considered required.
- ✓ Electronic knock and misfire control system if considered required.
- ✓ Complete set of piping's, tubing's, and cable harnesses.
- ✓ On board gas consumption meter.
- ✓ One complete set of associated electronic components, transducers, sensors, detectors, alarms, valves, switches etc. and adaptation parts for retro fitment on engine of truck.
- ✓ Clearance certificates from PESO, I-CAT approval or other government agencies if applicable.
- ✓ Any required software including diagnostic and installation software
- ✓ LNG Storage Tank.
- ✓ Gas detection system with audio/video alarm indications
- ✓ Automatic and fast gas dispersal system including suitable illumination fittings for LNG cascade and engine room.

**PAYMENT TERMS:**

Service provider is required to submit Freight Bills with all relevant documents with proof of delivery once in 10 days to respective dispatching units. Payment against bills submitted will be released by Head Finance Shared service cell, within 15(Fifteen) days, from the date of submission of bills. However, delay in payment of bill due to any reason will not vitiate other terms of this contract nor will it give any right to the service provider to suspend the work under this contract

**TRANSIT TIME:**

Transit time is the time between gate out time at dispatching unit and reporting time of the vehicle at the receiving plant parking will be considered as the time of reporting.

Vehicles loaded with Concentrate must deliver material within allowed transit time mentioned in Annexure III for each route. In case of delay in delivery beyond allowed transit time, penalty of Rs.1000/- per vehicle per day will be levied on the defaulting vehicles. Stoppages will be well defined by HZL and penalty will be applicable on stopping at unauthorized stoppages.

However, delay in delivery can be condoned on valid ground such as vehicle breakdown or vehicle detained by some agency or natural calamity or force majeure situations for which information should be furnished within transit time and bill / document to be submitted as proof of occurrence with the

freight bill for the approval of the delay occurred. Service provider must provide information to dispatching unit and obtain approval for the same.

**FREIGHT:**

HZL shall pay as the freight rate for transportation of concentrate from Dispatching and Receiving units of HZL. Freight rates given are inclusive of all expenses like Fuel, Tyres, Road Tax, Toll Tax, Permit Expense & Statutory levies etc. Service Tax shall be paid by HZL as applicable. All payments made under this Order are subject to tax deduction at source as per law.

Freight shall remain firm & fixed for the period of contract and will not change by any reason except escalation in Diesel price, in which case the contract price shall be revised as per formula given in clause no. 9 and pro rata change if there is any addition/removal in current toll charge en-route.

In case we start dispensing diesel to service providers free of cost, then the impact of the same will be taken in the freight rates basis diesel rate and average diesel consumption mentioned in clause 9.



In case we start providing vehicle tyres at discounted rate from reputed tyre suppliers then benefit of discount to be shared with HZL.

#### **TRANSHIPMENT:**

Transshipment of goods is strictly not allowed en-route unless warranted due to failure of vehicle to move further or accident occurred, or vehicle detained by any agency for some reason or lorry for a particular destination is not available. In case of vehicle accident and vehicle detained, service provider has to inform to dispatch department through email and get written approval for transshipment. In case of non-availability of vehicle for a particular destination, dispatch department shall take suitable decision in consultation with marketing department for allowing transshipment of goods to a separate vehicle having authorization to move towards said destination.

While carrying out any such transshipment service provider has to take all care so that no damage occurs to the product and its packing.

While submitting freight bill for such vehicles service provider is required to attach the approval provided with proof of documents showing condition of vehicle under accident/ break down/ detained. Transshipment without valid approval shall attract penalty of 1/3 of the freight payable for the transshipped lorry.

#### **DETENTION:**

No claim for detention charges of any nature shall be entertained by HZL under any circumstances and for any reason whatsoever for detention of vehicles at any point during transit or execution of the service.

#### **DIESEL ESCALATION:**

Diesel escalation= Distance between both side in KM X Change in diesel rate

Average carrying capacity X Average Km/Litre

The average carrying capacity shall be taken as ... Mt (to be decided by HZL) and average km/litre as ..., IOCL (to be decided by HZL) publishes its rates on their website and the same will be considered.

#### **SERVICE INSTRUCTIONS, FAILURE TO PLACE VEHICLES AND PENALTY THEREOF:**

Service instructions will be issued periodically by HZL (Officer Incharge) with time frame to execute the service, destination and other requirements through the service provider's representative through email / telephone. It shall be clearly understood that the instructions so given or delivered to, through the representative or over telephone shall be taken as if they have been given or delivered to the service provider (service provider's office) and the Service provider has to carry out such instruction without fail and in case there will be any



lapses in carrying out the instructions, the service provider shall be responsible for any loss incurred by HZL.

**Bank Guarantee:** BG is Required Rs **10 lacs** after final the Contract.

Details of costing calculation (sample) is provided in annexure D which is to be filled along with Annexure A & B.

**For Hindustan Zinc Limited**

**For Tenderer**

**Authorised Signatory**

**Authorised Signatory with  
seal of the company**

### **ANNEXURE – “A”**

**Please submit following details along with the tender:**

(you can use additional sheet for furnishing full details wherever its required)

S.No.	Description	Details
1.	Name of the Firm	
1(i)	Sister concern(s) (Name/ details if any)	
2.	Head Office Address:  Contact person (Owner/Director name) Tel. No. Mobile No. e- mail address	
2.(a)	Registered Office Address:  Contact person Tel. No. Mobile No. e- mail address	
3.	No. of Branches in India No. of Branches out of India (List with contact details to be attached)	
3(i)	If you have branch at Chittorgarh: Branch address  Contact person Tel. No. Mobile No. e- mail address	
3 (ii)	If you have branch at Udaipur: Branch Address  Contact person Tel. No. Mobile No. e- mail address	

S.No.	Description	Details
3(iv)	If you have branch at Pantnagar Branch address  Contact person Tel. No. Mobile No. e- mail address	
4	Status – Company/ Partnership firm / Proprietorship etc. (attach document)	
4(i)	Date of Firm start	
5	IBA Registration No. ( <b>mandatory</b> ) Issued on date : Valid till date : (attach certificate)	
6	Permanent Account no. (PAN no.)	
7	Service Tax registration no.	
8	Projected turnover 21-22	
8(i)	Audited turnover 21-22 (attach Balance sheet )	
8(ii)	Audited turnover 2021-22 (attach Balance Sheet)	
9	No. of vehicles in own fleet (attach details with carrying capacity)	
9(i)	No. of vehicles as attached fleet	
10	Dealing Bank(s)	
10(i)	Financial Status: attach Bank certificate	
11	Your Major Client(s) during the current year 2021 -22 with approx. turn over (Attach Word Order Copy)	
12	Were you had been working with any of Vedanta group unit in last 3 years, furnish unit name with turnover?	
13.	EMD Details (DD No., dt. and Bank name)	

### **ANNEXURE – “B”**

**Please quote the freight rate for the following route:**

<b>From (Mines Location)</b>	<b>To (Smelter Location)</b>	<b>Transit Time (Hours)</b>	<b>Distance (RTKM)</b>	<b>Monthly Tentative Lifting Quantity (In Mt)</b>	<b>Freight Per MT (Rs.)</b>
Rajpura Dariba Mines	Chanderiya Smelter	5	180	2400	
Rajpura Dariba Mines	Dariba Smelter	1	3	3600	
Rajpura Dariba Mines	Debari Zinc Smelter	5	130	2400	
Rampura Agucha Mines	Chanderiya Smelter	6	240	18000	
Rampura Agucha Mines	Dariba Smelter	8	310	6000	
Rampura Agucha Mines	Debari Zinc Smelter	10	450	6000	
SK Mines	Chanderiya Smelter	5	196	2400	
SK Mines	Dariba Smelter	2	16	2400	
SK Mines	Debari Zinc Smelter	5	146	2400	
Zawar Mines	Chanderiya Smelter	10	300	2400	
Zawar Mines	Dariba Smelter	7	230	2400	
Zawar Mines	Debari Zinc Smelter	5	110	3600	

**Above monthly dispatch quantity may be vary Increase/Decrease based on Production**

#### **HZL, Mines**

Rajpura Dariba Mines (Rajsamand, Rajasthan)

Rampura Agucha Mines (Bhilwara , Rajasthan)

Sindesar Khurd Mines (Rajsamand, Rajasthan)

Zawar Mines (Udaipur, Rajasthan)

#### **HZL, Smelters**

Chanderiya Lead Zinc Smelter,  
Chittorgarh,Raj)

Dariba Smelter (Rajsamand, Rajasthan)

Debari Zinc Smelter (Udaipur, Rajasthan)

**ANNEXURE: "C"**

<b>S.NO.</b>	<b>VEHICLE CHECK LIST</b>
1	Floor should be even, strong enough and not damaged
2	Vehicle floor should be of Steel
3	Tyres to be in good condition - Vehicles with Torn/damaged tyres will not be allowed
4	Vehicle should have both front & reverse horn
5	Front light, back light & reverse light to be in working condition.
6	Vehicle has 3 pieces mirror
7	Vehicles of model 4018 and 4923 should have THREE AXLES
8	Both paddle & hand brakes to be in working condition.
9	Driver 's seat should be stable & in good condition
10	Driver's seat should have three-point seat belt
11	Rear & side under run protection for wheels
12	Retro Reflective tape all around the vehicle
13	Vehicle has silencer in ok condition.
14	Both front and rear indicators to be in working condition.
15	Pollution control certificate
16	Vehicle has clean front glass with both wipers in working condition
17	Vehicle should have ISI marked fire extinguisher of 4 Kg
18	All valid RC/ Permit /Insurance should be with the vehicle
19	Vehicle should have good quality Tarpaulin
20	Driver should have valid driving license and follows safe driving cardinal rules
21	Driver should have medical fitness certificate from Registered medical practitioner
22	Driver should have all mandatory PPEs.

### ANNEXURE- "D"

VEHICLE COST WORKING FOR Concentrate Vehicles			
Vehicle Type			
Capacity			
Estd. Trips/month			
Estd. Qty/month			
Distance (RTKM)			
Avg Diesel Consp.			
		Cost/ month (Rs)	Cost per mt (Rs.)
Diesel(Litre)	(RTKM*trips)/Avg.		
Insurance	Rs...../annum		
Rd Tax/Permit	Rs...../annum		
Fitness	Rs...../annum		
Driver Salary	Rs...../Month		
Fooding allowance	Rs...../Per day		
Installment	Rs...../annum		
Travel/RTO Exp	Rs...../annum		
Cleaner	Rs...../annum		
Tyre Cost	Rs...../Kms		
Toll	Rs...../round trip		
Maintenance	Rs...../Kms		
office/manpower	Rs...../Month		
Total Cost			
Less Salvage value			
Total Net of Salvage Value			
Per mt cost			

## **ANNEXURE- “E”**

# **VEHICLE & DRIVING SAFETY STANDARD**

## **VEHICLES AND DRIVING**

*All vehicles coming to HZL plant premises should follow below mentioned criteria for Vehicles as well as Drivers. If any vehicle is not fulfilling any of the criteria, then it will not be allowed to plant premises.*

### **NO-GO Criteria for Vehicles -**

1. **Seat Belt** - Vehicle must have functional seat belts for all Seats & 3 Point Contact type seat belts for driver & helper.
2. **Vehicle Fitness** - Any vehicle contracted to HZL should be certified for fitness on Roadworthiness by RTO (in form 38). New vehicle having RC of less than 2 Year old not to produce any fitness certificate separately.
3. **Tyre** - All Vehicle must comply with HZL guidance on Tyre(should have depth of 1.6mm in the centre of the tyre)
4. **Tractor Trolley** – Tractor with trolley has been banned in HZL .Only Auger with Tractor will be allowed for plantation.
5. **Retro-Reflective Tape** – Retro- Reflective tape required in the vehicle (side/front & back) for easy identification of the vehicle.
6. **Spark Arrestor** - Any vehicles carrying flammable & explosive materials such petroleum products i.e. HSD, FO, tyre oil, propane gas etc.
7. **Run Protection** - Side Run (SUDP) & Rear Run(RUDP) Protection should be available in all HMV.
8. **Third Axial Provision** - Empty truck can have lifted third axial but loaded truck should have third axial on ground with running condition.
9. **RC & Insurance Paper** - Vehicle should have a valid RC copy along with Insurance Paper.
10. **Reverse Horn** - Vehicle must have working & audio-able reverse horn.
11. **Indicators/ blinker & Head lights** - Vehicles must have working indicators/ blinkers and Head lights.
12. **Wiper at driver side** - Vehicles must have working wiper on wind screen at Driver side.
13. **Side Mirrors**- Vehicles must have side mirror at driver & helper sides
14. **Fire Extinguisher** – LMV should have 1KG metal body and HMV should have 4KG metal body type Fire Extinguisher (IS 15683).
15. **Disabled Triangle** – All vehicles (LMV & HMV) should have disabled Triangle which has to be used during vehicle breakdown condition.



16. **First Aid Kit** – All vehicles (LMV & HMV) should have one First Aid Kit for emergency Usage.

**NO-GO Criteria For Drivers –**

1. **Seat Belt** – Driver has to use Seat belt all the time whenever will be inside the vehicle.
2. **PPE** - Safety helmet, safety shoes, Goggle & reflective jackets (except hazardous goods carrying vehicles)
3. **Medical Fitness** - All Vehicle drivers must have a medical fitness certificate confirming the parameters stipulated by HZL. Please refer to the Annexure-1.
4. **Intake of Alcohol & Drugs** - Drivers will not be allowed to drive vehicle found taking drugs/Alcohol.
5. **Haz-Chem Training** - All Drivers carrying Hazardous chemicals and/or material possess a valid training certificate on Haz-Chem from state Government approved institute or agency(after completion of CMVR training driving licences will be issued by RTO).Driver should have **TREM** Card with them.

## **Annexure For Drivers Medical Fitness Certificate – (Valid for 6 Months)**

### **MEDICAL FITNESS CERTIFICATE FOR DRIVERS**

**(To be filled by a registered medical practitioner )**

- ☐ Name of the Applicant : \_\_\_\_\_
- ☐ Name of the Applicant's Father : \_\_\_\_\_
- ☐ Age of the Applicant in years : \_\_\_\_\_
- ☐ Sex: Male / Female
- ☐ Address : \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- ☐ Is the applicant ,to the best of your judgement, subject to Epilepsy, Vertigo ,or any other ailment or likely to affect his efficiency: \_\_\_\_\_
- ☐ Does the applicant suffer from any Heart or Lung Disorder which might interfere with the performance of his duties as a Driver : \_\_\_\_\_
- ☐ B.P : Systolic \_\_\_\_\_ Diastolic \_\_\_\_\_ mm/ Hg
- ☐ CVS : \_\_\_\_\_
- ☐ Respiratory System : \_\_\_\_\_
- ☐ Is there any defect of Vision : \_\_\_\_\_
- ☐ (i) Visual Acuity for Both eyes: \_\_\_\_\_
- ☐ Visual acuity (with or without glasses/contact lense /IOL/ Implantable contact lense)

#### **Distant Vision**

#### **Near Vision**

Better Eye

Worse Eye

Better Eye

Worse Eye

#### **(ii) Fundus**

- (i) Any progressive pathological condition
- (ii) Vitreous or Chorio- retinitis
- (iii) Any Retinal disease in Diabetes, Hypertension, Atherosclerosis
- (iv) Corrected Myopia (including the cylinder) exceeding (-) 6D and Hypermetropia (+) 4D in each eye up to 35 years of age.
- (v) Corrected Myopia (including the cylinder) exceeding (-) 6D and Hypermetropia (+) 6D in each eye beyond 35 years of age.

#### **(iii) Colour Blindness:**

#### **(iv) Night Blindness :**

(v) Presence of Squint ;.

(vi) Glaucoma

☐ Has the applicant possess any deformity or lost any of his limb which would interfere with the efficient Performance of his duties as a driver : \_\_\_\_\_

☐ Does he show any evidence of being addicted to the excessive use of an Alcohol, Tobacco, or Drugs : \_\_\_\_\_

☐ Is he in your opinion generally fit as regards  
(a) Bodily Health \_\_\_\_\_ and (b) Eyesight \_\_\_\_\_

☐ Identification Marks : \_\_\_\_\_

**In addition to the above questionnaire, I certify that to the best of my knowledge and belief the applicant is FIT / UNFIT to be employed as a Driver.**

**Name of the Medical Officer:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Medical Registration No:** \_\_\_\_\_ : **State of Registration /MCI** \_\_\_\_\_

**MEDICAL OFFICER**  
**(Signature and Seal of Doctor)**

