SYLLABUS FOR THE TRADE

OF

Motor Driving and Heavy Earth Moving Machinery operator

(SEMESTER PATTERN) ONE YEAR CERTIFICATE COURSE

UNDER

STATE COUNCIL FOR VOCATIONAL TRAINING

Directorate of Technical Education, Vocational & Industrial Training, Himachal Pradesh, Sundernagar.



1. R.S. Banya R.S. Banya Parinalphi Gaux 171 Sundernagen

GENERAL INFORMATION

- Name of the Trade
- N.C.O Code No.
- 3. Duration of Training
- 4. Power Norms
- 5. Space Norms
- 6. Entry Qualification

- : Motor Driving and Heavy Earth Moving Machinery Operator
- : One Year (Two Semesters)
- 3K W

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- : @5.5 * 16 = 88 Sq. meter and 1 acre open land for driving practice at heavy earth moving practice.
- : Passed in 10th Class Examination & Minimum 20 years of age

- 7. Unit Strength
- 8. Qualification of the Instructor

: i) NTC in MMV trade

ii)One year CTI training (including modular pattern.)
 iii)HTV(Heavy Passenger Service Vehicle/Heavy Goods Vehicle)
 Driving License with minimum Two year Heavy vehicle
 Driving Experience

OR

i) Apprenticeship in MMV trade

ii)One year CTI trade training (including modular pattern)

- iii)HTV(Heavy Passenger Service Vehicle/Heavy Goods Vehicle) Driving License with minimum Two year Heavy vehicle Driving Experience
 - OR
- i) Diploma/Degree in Automobile Engineering
- ii) HTV(Heavy Passenger Service Vehicle/Heavy Goods Vehicle) Driving License with minimum Two year Heavy vehicle Driving Experience

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9. Examination and Evaluation Scheme :

Sr.No.	Subject of the trade:	Maxim marks the Ist Semest	for	Total	Maxi mark the I Seme	s for Ind ster	Total	Durati on	Question Paper pattern	Remarks
		I Sem.	sess ion al		I Se m.	sessi onal				•
1.	Trade Practical	50	10	60	50	10	60	4-6 hours	Practical	To be Evaluated by the State Directorate/Boa rd
2. Č	Trade theory	30		30	30		30	2 Hours	Descriptive Q.1 is compulsory objective type & other 4 questions of 5 mark each	To be Evaluated by the State Directorate/Boa rd
3	Autoshop Practical	50	10	60	50	10	60	4- 6 hours	Practical	-Do-
4.	Employ ability skill	50	au 10.	50	50		50	1 hour	Maximum 25 Questions	-Do-
Total	N	180	20	200	180	20	200	•		

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Study Hours

First Semester

Sr.No.	Subjects		Study	Schéme		Remarks
			Theory	Practical	Total	
1.	Trade Practical			364 hours	364 hours	
2.	Trade Theory		260 hours		260 hours	
3.	Autoshop Practical			336 hours +28 hours (Project work)	364 hours	·
4.	Employability sk	cill			•	
and the second se		iteracy	4 hours	16 hours	20 hours	
		lish	3 hours	12 hours	15 hours	
	Cor Ski	nmunication	3 hours	12 hours	15 hours	

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SYALLBUS FOR TRAINING COURSE OF DRIVING AND HAVING EARTH MOVING MACHINE OPERATORS FOR THE FIRST SEMESTER DURATION DIVIDED IN 26 WEEKS MOTORS DRIVING AND HEAVY EARTH MOVING MACHINERY OPERATOR TRAINING INSTITUTE AMB AT UNA(H.P.)

1

WEEK NO.	DRIVING THEORY	PRACTICAL
١.	Complete knowledge of an automobile engine and their working history	Identification of different types of engines that is diesel and petrol engines and their parts.
2.	Control of vehicle – foot brake, hand brake, clutch, accelerator, dipper, steering, wheels, lighting switches, wiper, starter, ignition switch, indicators, center lock, air conditioner switch, use of light and switches.	Explanation and working of related parts of controls.
3.	Other controls:- Rear view mirror (side view mirror both sides) instruments on dash board that is fuel gauge, oil pressure gauge, temperature gauge, warning lights (battery charging ,oil level) air pressure gauge and use of other controls. Daily maintenance and essential checks before sitting on driver seat	Detailed practical work on running vehicle and use of working gauges and controls, knowledge of general purpose tools, checking level of water and coolant of radiator, check oil level in engine with dip stick, fan belt tension, wind screen washer reservoir, battery water, electrolyte level, tyre pressure, brake oil, brake paddle free play, hand brake operation,
÷.	and after sitting on driver seat.	switching on lights and checking of indicators for their performance, cleaning and washing of the vehicle if required, cleaning of wind screen with a soft brush that there may be no scratch on wind screen, starting of engine to attain normal temperature of engine, adjustment of driving seat, rear view mirror, side view mirror before taking the vehicle on the road.
4.	Driving Methods:- know about steering and its operations with related parts ,clutch pedal and its operation ,single plate clutch and automatic clutch, hand brake and its use, foot brake and its related parts, brake pedal play, accelerator and its related parts.	

	-	(6). Practicing of driving & stopping of vehicle by applying brake and check engine within short interva
		 (7). Driving slowly on ground in first gear after short intervals driving in slow speed on ground then put on hig speed on ground with gear changing practice. Driving practice continued. (8). Drive slowly on ground in first gear and try to change gears after short intervals. Driving practice continued.
E.L.		(9). Steering control practice, braking control practice, cornering practice taking off and parking. Use of accelerator, brake and clutch suddenly & gradually. Driving practice continued.
		(10). Traffic sense and road sense judgement. Driving practice continued.
	· · · · ·	(11). Reverse driving practice on ground. Driving practice continued.
		(12). Turning to the left hand, turning to right and straight.
	0	Driving practice continued. (13). Driving on road:-
		Anticipation and judgement for road positioning according to other road user. Driving practice continued.
		(14). Driving on inter section speed control, use of
	•	indicators and indicator lever left or right covering three
		point turn, five point turn, 'U' turn, over taking stationery and moving vehicle left and right side, round about,
		driving guarded crossing. Working light junction,
		knowledge about red, yellow and green light. Driving practice continued.
5.	Difficult driving condition-	Overtaking of vehicles and how to allow overtaking of
2	Use of tyres and tread, braking effectiveness	vehicle driving on hills and use of gear, driving on down
E.	tyre pressure loading capacity.	hill and use of gears, wet roads driving uneven road driving, deep driving, snow bound area, driving sandy
	*	road, driving . skidding of tyres clear tyres and skidding
		of front tyres and skidding of all tyres, driving in heavy
		rain, driving in frost in bound area and driving on slippery road, driving practice continued.
6	Parking of vehicles.	Practice in parallel, angular, perpendicular, and facing up
6.	raiking of ventices.	hills, parking downhill and common
		across .Driving practice continued. Taking left turn when red light is on.
7.	Traffic signal and Marking:- Red light,	Taking left turn when red right is on
	Yellow light,	
	Gesen light,	
	Flushing light.	
	D (to d live out read	Practice on such crossing-driving practice between
8.	Painted line on road lane and its definition.	painted lines, lane driving practice, stop line, cross walk and regarding yellow and white line on the road. Driving practice continued.
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	Hand signals:- Left arm stop traffic Approaching from Behind right arm stop traffic approaching from front, right arm stop traffic, approaching from the left of polyman and wanting to turn right that is stop signal on cross traffic detail of different types of hand signals.	To remember on the road sign while driving the vehicles. Driving practice continued.
•	Traffic sign:- Mandatory, warning and informatory different schedules to Motor Vehicle Act 1988.	5
	Introduction to Automatic light signal, parking at objectionable places, speed, regulation on highway and city roads. Traffic laws in accordance with Motor Vehicle act1988 section 122 to 207.	•
	 Fitness to driver and Age factor of driver. Legal and insurance Obligations. 1. To produce learning license 2. To produce regular driving license 3. Filling of log book 4. Registration of motor vehicle 5. Passing of motor vehicle 6. First Aid Knowledge. 7. To recover the vehicle After an accident. 8. Fuel saving methods. 	Driving practice continued on light vehicles. Clutch Slip, Brake binding, dusty air cleaner uneven tyres pressure, wrong engine oil, vehicle with full accelerator, speed controls driving vehicles with foot on clutch pedal, choke in off position to plan long journey, top gear driving applying brakes frequently, changing gear frequently.
3.	 Fuel saving methods. Functions of diesel and petrol engines Enel system. Cooling system. Lubrication system. 	Driving continued knowledge of fuel.
1 .	Transmission System	Clutch –Function, slip, rising linkages. (Gear box –Function, purpose and parts. – Propeller shaft –Function, purpose, Slip Joint and its Jubrication.

		Purpose of springs, Shackle pin, bushes, shackles, sh
15.	Suspension system and Steering s	vstern, o he types.
IJ.		absorber & its types: Purpose of steering geometry, steering linkages, stee Box. Driving practice continued.
		Box. Driving practice contained
		the local state is knowledge
		Purpose, hydraulic brake and its knowledge, assisted hydraulic brake and its knowledge, brake
16.	Brake system	assisted hydraulic brake and its knowledge, orake
		adjustment.
		Battery and its conditions, dynamo, alternator, starting
17.	Electrical system	totage lights haffery chargeness
		and in amore meter, use of moreators, use of parties
		light switch, use of wiper switch. Driving
		practice continued. Study of tyres, tyre maintenance, effect of defective ty
18.	Tyre and tubes	wheel alignment. Driving practice continued.
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19.	HEA	VY VEHICLE DRIVING
	Quality of good driver:-	
	Patience, responsibilities, self co	onfidence, anticipation, concentration, courage, courtesy, defensive.
	driving knowledge of road rules, re	gulations knowledge of vehicle controls. Major controls and minor
	controls during driving on Heavy ve	chicle.
0.	Response of Controls.	Accelerator, brake (gradually and suddenly) clutch,
	Pre driving checks	Operation on heavy vehicle.
		Steering operation- Checking -
		1. before sitting on driver seat.
		2. after sitting on driver seat.
2	Use of steering wheel while driving	1. Control on steering while gear changing, while turning,
	Gear changing development of	sounding horn, while operating dash board switches, while
	Gear changing development of judgement. (driving continued)	sounding horn, while operating dash board switches, while signaling and on emergencies.
	judgement.	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing.
	judgement.	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal
	judgement.	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake
2	judgement. (driving continued)	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake, driving a heavy vehicle.
2.	judgement. (driving continued) Development of anticipation height	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake, driving a heavy vehicle.
2.	judgement. (driving continued) Development of anticipation height and hill driving under special	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake, driving a heavy vehicle. Turning, entering and emerging a junction, lane selection, lane discipline intersection observation, location of head light switch, procedure obligation to light lamps. Restriction on a fight switch,
2.	judgement. (driving continued) Development of anticipation height and hill driving	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake, driving a heavy vehicle. Turning, entering and emerging a junction, lane selection, lane discipline intersection observation, location of head light switch, procedure obligation to light lamps. Restriction on flashing lamps. Starting in the hill using the parking brake mathed with a starting lamps.
2.	judgement. (driving continued) Development of anticipation height and hill driving under special	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake, driving a heavy vehicle. Turning, entering and emerging a junction, lane selection, lane discipline intersection observation, location of head light switch, procedure obligation to light lamps. Restriction on flashing lamps. Starting in the hill using the parking brake method, slipping clutch method, driving up hill in low gear and driving down hill in the
	judgement. (driving continued) Development of anticipation height and hill driving under special condition:	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake, driving a heavy vehicle. Turning, entering and emerging a junction, lane selection, lane discipline intersection observation, location of head light switch, procedure obligation to light lamps. Restriction on flashing lamps. Starting in the hill using the parking brake method, slipping clutch method, driving up hill in low gear and driving down hill in low gear driving a heavy vehicle.
2.	judgement. (driving continued) Development of anticipation height and hill driving under special condition: Emergencies	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping , emergency stopping. Use of engine exhaust brake, driving a heavy vehicle. Turning, entering and emerging a junction, lane selection, lane discipline intersection observation, location of head light switch, procedure obligation to light lamps. Restriction on flashing lamps. Starting in the hill using the parking brake method, slipping clutch method, driving up hill in low gear and driving down hill in low gear driving a heavy vehicle.
	judgement. (driving continued) Development of anticipation height and hill driving under special condition: Emergencies maneuvers	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake, driving a heavy vehicle. Turning, entering and emerging a junction, lane selection, lane discipline intersection observation, location of head light switch, procedure obligation to light lamps. Restriction on flashing lamps. Starting in the hill using the parking brake method, slipping clutch method, driving up hill in low gear and driving down hill in low gear driving a heavy vehicle.
	judgement. (driving continued) Development of anticipation height and hill driving under special condition: Emergencies maneuvers	sounding horn, while operating dash board switches, while signaling and on emergencies. Double "D" clutching importance and procedure - Clutching 1st gear, 2 nd gear. 3rd, 4th, 5 th and reversing. Passing, merging, over taking. Crossing and parking, normal stopping, emergency stopping. Use of engine exhaust brake, driving a heavy vehicle. Turning, entering and emerging a junction, lane selection, lane discipline intersection observation, location of head light switch, procedure obligation to light lamps. Restriction on flashing lamps. Starting in the hill using the parking brake method, slipping clutch method, driving up hill in low gear and driving down hill in low gear driving a heavy vehicle.
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	Accident	Types of accidents, causes of accidents, preventing methods, driver duties and responsibilities on the occurrence of accident.
•	First aid	Introduction of first aid, outline of first aid, structure and function of bodies, dressing of bodies, dressing and bandages, circulation o blood, hemorrhage from special regions, shock, respiration, energi to bones, unconsciousness, intensibility position, driving a heavy vehicle.
	HTV Driving Practice	Heavy Motor Vehicle Intensive driving practice on different track

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Study Hours

Second Semester

Sr.No.	Subjects	Study	Scheme	,	Remark
		Theory	Practical	Total	
1.	Trade Practical	`	364 hours	364 hours	•
2. V	Trade theory	260 hours		260 hours	
3.	Autoshop Practical		336 hours +28 hours (Project work)	364 hours	
4.	Employability skill				
	1 Entrepreneurships Skill	10 hours		10 hours	
	II Environment Education	10 hours		10 hours	_
	III Occupational Safety and Health	8 hours	2 hours	10 hours	_
	IV Labour Welfare Legislation	10 hours		10 hours	
	V Quality Tools	10 hours		10 hours	

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SYALLBUS FOR TRAINING COURSE OF DRIVING AND HAVING EARTH MOVING MACHINE OPERATORS FOR THE SECOND SEMESTER DURATION DIVIDED IN 26 WEEKS MOTORS DRIVING AND HEAVY EARTH MOVING MACHINARY OPERATOR TRAINING INSTITUTE AMB AT UNA(H.P.)

WEEI NO.	DRIVING THEORY	PRACTICĂL
1.	Safety programs : Hazards, losses resulting accident safety analysis foundation of tractor its operation and lubricants, fuel used in tractors.	Handling of different types of general purpose tools a special purpose tools used in workshop.
2.8	Functions and working of domestic type tractor used fo ploughing fields.	Servicing of tractor i.e. greasing. Changing engine oil hydraulic oil, brake oil, Engine oil filters. dry air filter elements, wet air filter, washing and cleaning practice
19	Function of transmission system of tractor, use of hydraulic lifts, tillers discs, jacks and other attachment during ploughing and harvesting.	Dismantling rear tyres of tractor, Repair of puncture and rear assembly of tractor.
, €	Difference between different types of soils, sands and detailed discussion on sandy prone area, rocks, falling rocks.	Difference between different types of soils, sands and observing the loose and falling rocks. Use of gravel sa and concrete.
31	Function and definition of dozer and its application.	Servicing of dozer & identification of the main parts.
0 . 32-	Detailed working and function of dozer and its types i.e. bull dozer, straight dozer, angle dozer, push dozer, U shaped dozer, tilt dozer, hydraulic control of dozer.	Field practice on different types of Dozers, available us dozers places. Dimensions of hydraulic operated dozer blade:
1 . 33	frunction and working of crawler dozer with direct transmission.	Field practice on crawler dozer.
8. 34	Complete knowledge of lubricant oils, hydraulic oils used in dozer, crawler dozer.	Indentify different types of lubricants, oils, hydraulic oi compressor oil used in heavy earth moving machine. Trainee should be able to carry minor and major repair a site.
9. 35	Detail theoretical instructions on major and minor parts related to bulldozer and crawler dozer.	Preventive maintenance of heavy machine, changing of greasing, changing of hydraulic oils, rubber oil seals, types of nuts and bolts.
36	Function and working of motor grader blade, bowl. blade stabilizer.	Use of motor grader blade bowl stabilizer in open space.
37	Definitions, function, working of stopper elevating grader. Scrapper.	Field practice of slapper elevating, Grader and scrapper.
38	Definitions function use of disc horn ripper.	Practice on ripper, disc horn for proper use.
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1		Practice on wheel loader on site, preventive maintenant
and the second s		it as wheel loader on site, preventive manager on load
1		
	section and working of wheel loader its the	ervicing, greasing and provide the second seco
	optication.	with right and accurate to the
		ield practice on power shovels.
	function and working of power shovel and its use.	TETU // CONTRACTOR
	function and working of power and	tice on site off
- 1	e and have the set of full	Field practice on site on
k	Working and functions of attachment of full	(1)Power shove
	revolving shovel crane, clamshell, dragline	(I)Crane
- I`		(111) Clamshell.
		(IV)Drag lines
		Preventing mainter after the work is over.
	24	Preventing maintenance set there is over. and washing at site after the work is over.
	1	Field practice on site on scrappers , prevent maintenance
		Field practice on site on scrappers, proton and nuts.
	Definitions, function and economical use of scrapper.	Field practice on site on scrappens give and nuts. greasing, servicing, tightening of bolts and nuts.
		Proton B. a
		Field practice on different types of scrappers and their
H-	Definition, tractor driven scrapper, motorized scrapper,	Field practice on different types of setup under the preventive maintenance to be carried out under the
	Rubber tyred scrapper, tandem scrapper, efficiency of	preventive maintenance to be carried
		supervision of Instructor.
	scrapper.	-
		Practice on site on bottom dumper with preventive
84	Difference between scrapper and bottom dumper, its	practice of site on boston i
of	operation, function and uses.	maintenance.
	operation, renetien and	Practice in construction of micro types of road at site
15	Difference between water bond macadam and	selected for Practice.
	bituminous macadam road.	Science for the formation to adds
	on the versious types of	Practice on site for making of gradients on roads,
16.	Definition and uses of gradients, various types of	Practice on site for making of gradients on round, making of small canal, trenches of water for supply and making of small canal, trenches of filling of earth. Filling of
	Definition and uses of gradients, various sy, canals , dams, water supply trenches and sewer lines.	
		the dam with the help of heavy machinery.
		Practice on site both high speed and low speed road roll
	Definition, working and use of light and high speed	Practice on site both high speed and tor speed any preventive maintenance during the operation of road
17.	Definition, working and use are g	preventive maintenance and e
	road ioilers.	roller.
		Practice on J.C.B. at site or making trenches.
1-1	Function and working of J.C.B. and its use in modern	
28.	Function and working of Lubricants and hydraulic o	11
	Function and working of J.C.D. and its out times, its efficiency .Fuel, lubricants and hydraulic o	in the diaging of soil
.	liced	Practice for digging of soil.
49.	-do-	
44.		
		Scrapping practice on J.C.B.
50.	-do-	
20.		the transive driving
		Heavy Motor Vehicle JCB, Tractor Intensive driving
Er	Heavy Earth Moving practice continued.	practice on different tracks
51.	Heavy Latur Moving Pra	placite
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	to sharth	· ·
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THE LIST NEED TO BE AMMENDED & MODIFIED FOR HAND TOOLS AND MACHINERY EQUIPMENT. THIS IS ONLY THE LIST OF AVAILABLE M/E

LIST OF TOOL AND EQUIPMENT MOTOR DRIVING AND HEAVY EARTH MOVING MACHINERY 1 **OPERATOR TRAINING INSTITUTE AMB AT UNA (H.P.)**

S.NO.	NAME OF ITEMS	QUANTITY
1	Hacksaw Frame	6 No.
2	Center Punch	6 No.
3	Cutter 12"	2 No.
4	Ball Peen Hammer	6 No.
5	Sledge Hammer	2 No.
6	Gas Pipe	22 mtr.
7	Steel Tool Box With Lock Key	4 No.***
8	Auto Stand	6 No.
9	Ring Spanner Set Matrix 6-32 mm	3 sets
10	Socket Spanner Set Matrix 6-32 mm	3 sets
11	Grease gun P-Type 10Kg	2 No.
12	Hand Drill Machine 12 mm Electric	1 No.
13	Trolley Type Jack 14 Ton Hydraulic	1 No.
14	Battery Charger with Micro and Boost Charging 6 Batteries X 15 amperes	1 No
15	Hydraulic Jack 10 Ton	2 No.
15	Screw Jack Mechanical 10 Ton with handle	2 No.
-17	Star Screw Driver	4 No.
18	Torque Wrench 150 Lbs	1 No.
19	Water Pump Plier	2 No.
20	Magnetic Screw Driver Set	2 No.
20	Filler Gauge	4 No.
21	Sciessor Type Jack with Handle	2 No.
23	D.E. Spanner set 6-32 mm	2 sets
	Gun Praffine Pressure Type	2 No.
24	Oil Gun	2 No.
25		2 No.
26	Oil Can	1 No.
27	Valve Spring Lifter	1 No.
28	Piston ring Compressor	1 No.
29	Piston Ring Expander	4 No.
30	Screw Driver 8" Plastic handle	4 No.
31	Screw Driver 10" Plastic handle	1 No.
32	Valve Die	1 No.
33	File and Handle	1 No.
34	Tyre Pressure Gauge	2 No.
35	Tyre Lever Rod 4 feet	2 sets -
36	Heavy Duty Box spanner set	4 36(3

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-	pecial Tool Kit For ractor,Grader,Scrapper,Ripper,Loader,Shovel,Crane,Clamshell,Drag ine,Bottom Dumper, Low Speed Road roller,High Speed road roller And for	2 sets Each
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and the second se	hain Pulley Block 10 Ton Cap	1 No.
	etrol Engine Four Cylinder of Car (old but in good condition)	2 No.
	Dynamo Old(U.S.)	2 No.
the second se	elf Starter Old (U.S.)	2 No.
	ata Bus 32 Seater	1 No.
	ngine stand Static Old (U.S.)	1 No.
	ata Bus 42 Seater	1 No.
	mbasder Car	- 1 No.
	iat car `	1 No.
	I/S Dozers (A) D-50 8002 (B) D-50 7892	2 No.
	ractor Four Cylinder-With All Attatchments	1 Nó.
	Grader With All Attatchments	1 No.
	crapper All Types	1 No. Each
	Disc Horn Ripper	1 No.
	Vheel Loader	1 No.
	Power Shovel	1 No.
	Crane	1 No.
	lam Shell	1 No.
	Drag Line	1 No.
	Bottom dumpers	1 No.
	ow Speed Road Roller	1 No.
	High Speed Road Roller	1 No.
	I.C.B.	1 No.
	Executive Table 1800*900*760 mm (sunmica top)	1 No.
	Revolving Chair Push Back spring	1 No.
62 F	Office Chair delux Type Cusion Seat And Back	6 no.
	Waste paper Bucket	1 No.
	Office Table with One Drawer	1 No.
	Adjustable Record rack With Four Shelves	5 No.
66	Steel Almirah 127*765*440 mm with three Shelves	3 No.
67 5	Revolving Chair with Medium Back	1 No.
68	Office Table 90*660*760 mm	5 No.
	Steel Almirah 1980*865*485 mm	1 No.
70	Steel Almiran 1980 805 405 min Stool Made of Square pipe with ply Sheet	3 No.
	Working Bench 1500*450*900 mm	1 No.
72	Locker Eabnet Steel With '8' Lockers	3 No.
		20 No.
	Desk Double Seater Office Metal Chair with Cane Sheet And back Square Pipe	5 No.
75	Executive Side Rack 5"*5"*13" moving Three Drawer with sunmica Top	1 No.
	Executive Side Nack 5 5 13 thomas man	4 No. 🦿
77	Cooling Fan 1200 mm P.S.P. orient	1 5et
78	Sofa Set Center Table	1 No.

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Office Table with 3 Drawer 1 No. 80 2 No. **Room Heater** 81 1 No. Cooler 3 speed make Khaltan 82 like J.C.B, Earlinfouer etc can nearby institute | organisation Heavy Machineony The nearby shared 2 milh Training purpose. tor Gulad Singh F R HOD Auto Engo 15/

LIST OF REGISTERS/RECORD OF MOTOR TRAINING AND HEAVY EARTH MOVING MACHINERY

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S.NO.	NAME OF ITEMS	QUANTITY
1	Tools and Equipments Register	1 No.
2	Work Order register	1 No.
ŝ	Diary Register	1 No.
4	Tools And Equipments Indent Book	1 No.
S	Raw Material Register SSR	1-No.
ە	Raw Material Indent Book	1 No.
2	Log Book	1 No. For Each vehicle
80	Lubritänt Register	1 No.
σ	Maintainance Log Book	1 No. For Each vehicle
10	Attendance Register	1 No.
11	Staff Attendance register	1 No.
17	R.C. Book	1 No. For Each vehicle
13	Foreman Stamp With Pad	1 No.
	Register for 14 No. forms (Renewal of License) up to 80pages,214	5 No.
74 7	pages 313 pages 380 pages	



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