

DIRECTORATE OF EDUCATION: VOCATIONAL BRANCH
GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
ROOM No. 119-120, OLD PATRACHAR BUILDING, TIMARPUR, DELHI-110054

No. F.DE-45/VE/NSQF/942/2015/Pt. file/

Date: .01.2017

ORDER

This has reference to the acceptance of Offer for supply and installing of apparatus and other items (**Annexure-I**) for Automobile Technology Stream in 35 schools (**Annexure-II**) under Directorate of Education, GNCTD in response to this department e-Tender No 2016_DE_114812_1 and on submission of the Performance Security amounting Rs. 15,40,000/- (Rupees Fifteen Lack Forty Thousand only) and on furnishing the Agreement accepting the terms and conditions mentioned therein as stipulated by the Department on the referred tender. M/s SAGAR INDUSTRIES is hereby directed to start supply and installing of apparatus and other items for Automobile Technology stream in 35 identified schools under Directorate of Education, GNCTD with immediate effect.

M/s SAGAR INDUSTRIES shall invariably supply and install all the items within **sixty days** from issue of this order. The date of delivery should be strictly adhered to otherwise the Directorate of Education, GNCT of Delhi reserves the right not to accept the delivery in full or in part. In case the order is not executed within the stipulated period, the Directorate of Education, GNCT of Delhi shall be at liberty to make purchase through other sources, and to forfeit the performance security of the bidder.

The payment shall be made after the installation as per specifications to the entire satisfaction of Directorate of Education, GNCT of Delhi subject to recovery, if any. No interest will be paid on late payments. Satisfactory lab installation report will be countersigned by HOS concerned as per **Annexure-III & IV**. There is no provision for making advance payment to the firm.

Attention of the firm is also invited to the penalty clause mentioned in the tender. In case any report is received from any corner regarding non performance of work assigned to them properly, the penalty will be imposed on them and action as deemed fit will be initiated against the firm.

This issues with prior approval of the Competent Authority.

(Dr. L.K. JHA)
D.D.E. (Vocational)

To,

PROPREITOR
M/s SAGAR INDUSTRIES
1, Ram Nagar, Extension IV, New Delhi-110051

No. F.DE-45/VE/NSQF/942/2015/Pt. file/10 to 19
Copy for information and necessary action to:-

Date: 11.01.2017

1. Director (Education), Dte. Of Education, GNCTD, Old Sectt., Delhi-54.
2. Spl DE (Voc.), Lucknow Road, Delhi.
3. Joint Director (Planning), Planning Branch, Timar Pur, Delhi.
4. All District/Zonal DDEs.
5. Heads of 35 Govt. Schools with the direction to submit the certificate as per Annexure-III & IV.
6. Accounts Officer (Vocational), Vocational Branch, Cal Lab, Delhi.
7. DDO Concerned.
8. VTPs & VTP Co-ordinators concerned.
9. OS [IT], Dte. Of Education, GNCT of Delhi for uploading the same on website of Department.
10. Guard File.

(Dr. L.K. JHA)
D.D.E. (Vocational)

LIST OF TOOLS & EQUIPMENTS FOR AUTOMOBILE LAB (SINGLE UNIT) IN SCHOOLS UNDER NSQF

Automobile Schools Lab			
Measuring and Marking tool			
Sl. No.	Description	Specification	Quantity
Measuring tools			
1	Vernier Caliper Digital	0-200 mm	1
2	External Micrometer (digital)Range	0-25 mm	1
3	External Micrometer Range(Manual)	25-50 mm	1
4	Internal Micrometer Range(Digital)	25-50 mm	1
5	Dial Gauge (Metric System)with magnetic stand plunger type	0.01 mm (Least count)	1
6	Telescopic Gauge set of 6	0.313-6"	1
7	Bore Gauge	50-150mm	1
8	Feeler Gauge Metric	25 blade	1
9	Straight Edge	400 mm	1
10	Divider	200 mm	2
11	Inside Caliper	200 mm	2
12	Outside Caliper	200 mm	2
13	Torque wrench set of 3	5-225 N-m	1
14	Digital Multi Meter	0 to 1000 Ohms, 2.5 to 500 V	2
15	Hydrometer		2
16	Depth Gauge Range	0-50 mm	1
17	Bevel Gauge	12" Blade, 5 minute Vernier Resolution	1
18	Battery Charger	6 Amp 12 Volt	1
19	Tyre pressure Gauge (Hand Held, Digital)	0-120 PSI	1
20	Hydraulic Jack (Trolley Type)	2 ton	1
Maintanance Tools			
Fasteners :-			
21	Bolts Gr 8, Gr 5, Gr 2	8, 10, 12, 14, 17 mm	10 each
22	Nuts	Hex Nut , Castle Nut , Wing Nut , Locking Nut , Lug Nut , Speed Nut (Suitable size)	20 each
23	Studs		10
24	Screws	Machine Screws, Sheet Metal Screws(self tapping), Set Screw - (allen wrench/no head)	20 each
25	Washers	Flat Washer, Lock Washer (Suitable size)	20 each
26	Roll-pins/Spring-pins		10 each
27	C - Clips	Internal & External	10 each
General Purpose Tools			
28	Double Ended Spanner set	6 x 7 mm	3
		8 x 9 mm	

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		10 x 11 mm	
		12 x 13 mm	
		14 x 15 mm	
		16 x 17 mm	
		18 x 19 mm	
		20 x 22 mm	
29	Ring Spanner Set	6 x 7 mm	3
		8 x 9 mm	
		10 x 11 mm	
		12 x 13 mm	
		14 x 15 mm	
		16 x 17 mm	
		18 x 19 mm	
		20 x 22 mm	
30	Socket Spanner set with		1
	20 sockets	10 mm onwards	2 each
	T- Handle	12"	2
	Extension Rod	4"	2
	Extension Rod	8"	2
	Ratchet Handle	12"	2
	Rotating Union	Universal Joint	2
31	Side Cutting Plier	200 mm	2
32	Round Nose Plier	200 mm	2
33	Flat Nose Plier	200 mm	2
34	Ball Peen Hammer with Handle	500 grams	2
35	Cross Peen Hammer with handle	200 gram	2
36	Screw Driver	Straight tip 8" Long	4
37	Screw Driver	Straight tip 12" Long	4
38	Phillips Screw Driver	8" Long	4
39	Phillips Screw Driver	12" Long	4
40	Hacksaw Frame fixed	300 mm	4
41	Hacksaw blades	For above Hacksaw Frame	50
42	Cold Chisel Flat	10 mm	4
43	Allen Key set	4 mm - 14 mm	2
44	Oil Cane	500 ml	2
45	File flat bastard	300 mm	2
46	File square Rough	250 mm	2
47	File flat smooth 2nd cut	250 mm	2
48	File Rasp Cut	300 mm	1
49	Emery Paper/Cloth	80 grit/ 120 grit/ 150 grit	5
50	Chassie Frame (LMV) (Old)Diesel	With cross members. Mounted with engine, clutch, gear box, Rear axle, Front Axle, Propeller shaft and steering gear box with wheels, Motorized	1
51	Cut model of any engine (MPFI) Old, Motorized	4 cylinders, 1.2 L Cap, Power Approx. 80 kW, with electronic fuel pump, impeller type water pump, cartridge type filters, Alternator, self Starter Compressor Thermostat	1

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52	Live Axle Assly with Differential & Final Drive / Cut model of same, mounted on stand	Differential(bevel geared, trunion, tail pinion, crown wheel) splined axle shaft, hub assly, opposed type taper roller bearing)	1
53	Dead Axle Assly with Stub Axle mounted on stand	For light Motor Vehicle	1
54	Components of Suspension system	Leaf spring Front & Rear, Centre bolt, Shackle bracket, Hanger bracket, U clamp, Shackle Pin	1
55	Cut model of Shock Absorber	Telescopic Type	1
56	Components of steering System (at least each one) Mounted on stand	Tie Rod, Rack & Pinion assembly, Complete all standard components.	1
57	Air Brake System with compressor	Working model with all standard components	1
58	Mechanical brake assembly	Pedal, Linkage, Cam & Brake shoe, mounted on a board	1
59	Hydraulic brake assembly	Master cylinder, Servo(Vaccum/Pressure), Wheel cylinder, Pipe lines, mounted on a board	1
60	Components of Automobile Electrical System (at least each one) Mounted on a board.	Ignition sys, Alternator, Self Starter, lighting sys, Head Light, Rear Lights, Stop lights, Wiper motor, Horn with suitable battery standard make	1
61	Different coloured automobile cables.	Brown, Yellow, White, Green, Blue, Black 2.5 sq mm	1
62	Cooling System Components (Mounted on a board)	Radiator, Water pump, Cooling Fan, V - belt, Thermostat valve and Hoses.	1
63	Lubrication System Components	Strainer, Oil pump, PRV, etc. mounted on a board.	1
64	Compressor (in working condition)	Single acting Reciprocating type, Cap 160 ltr	1
65	Gearbox (old) and clutch assembly. Cut Section	Synchromesh, 5 speed	1
66	Fuse	5A, 10A, 15A, 20A	4
Some other item required			
67	Projector with screen	Standard make with USB port	1
68	Working Bench	2.5 X 1.20 X 0.65 meters	1
69	Bench Vice	125 mm Jaw	2
70	Table for Instructor	4 ft. * 2.5 ft.	1
71	Chair For Instructor	Standard make	2
72	Almirah Steel	2.5x1.20x0.5 meter	1
73	Student Chair with writing arm	Standard make	25
74	Hand Grinder 5	5000 RPM	1
75	Greace Gun	Small	1
76	Mallet hammer	500 gm	1
77	Screw gauge	-	1
78	Center Punch	-	1
79	Automotive Puncture Repair kit	For tubeless and tubed tyre	2
80	Alignment Gauge (Manual)	For Toe in/Toe out	1

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Annexure-II

S No.	Subject Name	School Name	School ID
1	Automobile Technology	RPVV, SURAJMAL VIHAR	1001104
2	Automobile Technology	RSBV, BLOCK-27, TRILOK PURI	1002177
3	Automobile Technology	GSBV, RANI GARDEN	1003002
4	Automobile Technology	SBV, KAILASH NAGAR	1003004
5	Automobile Technology	Roshanara road-SBV	1207015
6	Automobile Technology	MAGAZINE ROAD-GBSSS	1207109
7	Automobile Technology	GGSSS, EAST GOKAL PURI LONI ROAD	1104400
8	Automobile Technology	SV, BADAR PUR KADAR	1104418
9	Automobile Technology	GBSSS, SHASTRI PARK	1105011
10	Automobile Technology	GBSSS, DHAKKA	1309022
11	Automobile Technology	SBV, A-BLOCK, JHANGIR PURI	1309253
12	Automobile Technology	GBSSS, E-BLOCK, JHANGIR PURI	1309257
13	Automobile Technology	GBSSS, BADLI	1310009
14	Automobile Technology	G Co-ed SSS, A BLK METRO VIHAR, HOLAMBI KALAN	1310399
15	Automobile Technology	GBSSS, SHAHBAD DAULATPUR	1310431
16	Automobile Technology	SV, BT BLOCK, SHALIMAR BAGH	1309005
17	Automobile Technology	SV, SEC-3, ROHINI	1413002
18	Automobile Technology	SBV, RAMESH NAGAR	1516002
19	Automobile Technology	SKV, BASAI DARAPUR	1516019
20	Automobile Technology	SBV, KAKROLA	1618009
21	Automobile Technology	SV, NO. -3, SEC-7, R.K. PURAM	1719022
22	Automobile Technology	G.Co-ED SSS, SEC-5, R.K. PURAM, NEW DELHI	1719104
23	Automobile Technology	SARVODAYA [Co-ED]SSS, MUNIRKA, NEW DELHI	1719125
24	Automobile Technology	GBSSS, MAHIPALPUR	1720029
25	Automobile Technology	G[Co-ed] SSS, BAMNOLI	1821039
26	Automobile Technology	Govt. Co-ed SS, Mahavir Enclave	1821136
27	Automobile Technology	G. Co-ed SSS, SEC. 22, DWARKA	1821204
28	Automobile Technology	DWARKA SEC-I, PKT 7, GBSSS	1821234
29	Automobile Technology	GBSSS, J-BLOCK, SAKET	1923074
30	Automobile Technology	GBSSS, HARI NAGAR, ASHRAM	1924005
31	Automobile Technology	SBV, SADIQ NAGAR, ND	1924009
32	Automobile Technology	RKSBV, MANDANPUR KHADAR, ND	1925006
33	Automobile Technology	GBSSS, JASOLA VILLAGE	1925353
34	Automobile Technology	GBSSS, SHAHBAD MOHAMMAPUR	1821041
35	Automobile Technology	GBSSS, NAJAFGARH, JHARODA KALAN	1822065

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Automobile Technology Lab Set up Report

1. Name of School :
2. School ID :
3. Name of HOS (with Emp. ID) :
4. Name of Subject (Vocational Lab) :
5. Name of Vocational In-charge
(with Emp. ID) :
6. Name of Vocational Trainer :
7. Name of VTP :
8. Items received in good condition
as per the specifications (Yes/No) :
9. Items installed in Automobile Technology
Stream Lab of the school (Yes/No) :
10. Entry made in stock register and
countersigned by HOS(Yes/No) :

(Signature of VT)

(Signature of Vocational In-charge)

(Signature of Principal/HOS with Seal)

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75	Greace Gun	Small	1		
76	Mallet hammer	500 gm	1		
77	Screw gauge	-	1		
78	Center Punch	-	1		
79	Automotive Puncture Repair kit	For tubeless and tubed tyre	2		
80	Alignment Gauge (Manual)	For Toe in/Toe out	1		

I after consultation with the Vocational Trainer/Vocational In-charge, I am satisfied to certify that the lab as per the above listed items has been established and functioning satisfactorily.

HOS/Principal

Vocational In-charge

Vocational Trainer