OFFICE OF THE PRINCIPAL GOVT I.T.I. KURUD
DISTT. - DHAMTARI, CHHATTISGARH

Phone No. 07705202884, E-mail – itikurud@rediffmail.com

Tender No. - KURUD/WB/VTIP/ADDF01/2014, Dated 12/09/2014

NOTICE INVITING TENDER

Principal, ITI KURUD, Chhattisgarh invites sealed tender from eligible bidders (Manufacturers, or their authorized dealer) for procurement of various Packages of Tools, Equipments & Machinery related to different trades (additional funding) under World Bank assisted Vocational Training Improvement Project (VTIP) in Shopping Mode.

The tender form (complete set of bidding documents along with the packages including details of Items with quantity for purchase) is available on the website **www.cgstate.gov.in**, from 12 September 2014 . A complete set of bidding documents may be downloaded free of cost by any interested eligible bidder.

The sealed tender should reach the Office of the Principal, ITI KURUD, Chhattisgarh on or before 10 October 2014 by 13.00 hours and will be opened on the same day at 14.00 hours. Any bid received after the deadline for submission of bids as prescribed above will be rejected and returned to the Bidder. The undersigned has all the rights pertaining to the tender.

Principal,
Govt. I.T.I. KURUD
Distt.- Dhamtari (C.G.)

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World Bank Assisted Vocational Training Improvement Project

TERMS & CONDITIONS OF THE TENDER

Tender documents/Qualification requirements should be submitted in **Main envelope** as given below:

1. On the top of Main envelop mention Tender No., Due Date, all package nos. & names for which Bid are submitted.
2. Following documents should be kept inside the envelope :
    1. Covering letter for submission of Bid which should indicate -
        - Index for all the submitted documents for the tender
        - All particulars of Bidders viz address, phone No., e-mail, name of the authorized person(s), TIN/ TAN/ Service Tax No. etc. for correspondence.
        - Package Nos. & name for which Bid is submitted.
    2. Completely filled Form - "A" with signature & seal of authorized person which includes Earnest Money/ Bid security details - @ 3% of total tendered value.**Tender received without form "A" duly signed (As token of acceptance of tender conditions by the tenderer) will not be accepted.**
    3. Demand Draft/ Bank Guarantee (as given in the proforma Annexure-III) for earnest money/ bid security.
    4. All the pages of **Terms & Conditions of Tender** duly signed & stamped by the tenderer in token of his acceptance of tender conditions along with other documents.
    5. Valid certificates related to TIN / TAN / Service Tax No. etc. issued by competent Govt. authority pertaining to tender.
    6. Undertaking for "After Sales Services" on letter head of bidder.
    7. **Affidavit in prescribed format as given in Annexure-V on non judicial stamp paper of Rs. 50/- certified by Notary.**
    8. Manufacturer's Company Profile showing its product range, turn over, web-address and certifications like ISO/ ISI etc. along with the documentary proof of such certificates if company/ products bear such certificate.
    9. All relevant particulars, illustrative catalogue/ broachers etc. which should indicate the products technical specifications for all packages which is submitted in the bid.
    10. Filled Manufacturer's Authorization Form as given in SECTION XII (Annexure-VI) for all the quoted items.
    11. Package wise Commercial Bid in prescribed format (i.e. Annexure-I) should be submitted (separately for each package) in individual envelope along with the soft copy in CD (MS-Excel).
    12. On the top of each envelope of Commercial bid, bidder should clearly mention Tender No., Due Date, Package No. and Package Name with seal & sign of bidder.
3. Complete tender document must be duly singed, stamped, paged & indexed by the bidder. **Unsigned or unpaged bids shall be straightway rejected.**
4. The bid would be evaluated separately for each item.
5. Either a manufacturer or their authorized dealer can bid for a package(s). For each of the quoted items, appropriate documentary evidence for being a Manufacturer or their authorized dealer (Manufacturer's Authorization Form given in SECTION XII as Annexure-VI) must be

submitted necessarily. In absence of above the bid will be treated non-responsive & likely may be rejected.

6. If bided items are manufactured out of India then manufacturer's authorized distributor/agency for India may specially authorize a dealer who may participate in this tender. The relevant certificates in proof of such Authorizations and Manufacturing must be submitted.

7. The bid should be accompanied by Earnest Money/ bid security of @ 3% of total tendered value (for all packages) as part of the bid, in the form of Bank Draft/ Bank Guarantee of Nationalized Bank. Bank Draft should be in favour of Principal, ITI **KURUD** payable at **KURUD**, Chhattisgarh. If the bidder deposits earnest money/ bid security in the form of Bank Guarantee, he/she shall furnish the same to the Principal, ITI **KURUD** for 3% of total tendered value through a bank guarantee by a nationalized bank in the prescribed proforma as Annexure-III. Earnest Money submitted in any other form will not be accepted and the tender will be rejected. Unsuccessful bidder's earnest money will be discharged/ returned as promptly as possible.

8. The bidder should submit the Manufacturer's Make/ Brand name being use for marketing and registration no. of Commercial Tax Department.

9. Prices shall be quoted in Indian Rupees only. All quoted rates should be for **new and unused** items unless and otherwise specified so.

10. The Technical specification of the Items given in the packages are as per the requirements of the curriculum of the related sectors/trades. Bidder may give equivalent / superior specification as manufactured along with the Technical details / catalogue / brochure etc.

11. Complete Tender Documents will be opened on the prescribed date and time in the presence of Bidders / representatives who choose to attend. The Bidders / representatives who are present shall sign a register evidencing their attendance.

12. The rates quoted by the bidder must be inclusive of all the charges (like – transportation, installation charges, delivery charges, inspection charges, training charges, charges for services, excise duty, customs duty etc.) except VAT. The VAT should be mentioned separately.

13. The tender matter including prices should be typed neatly; corrections/ overtyping in prices will not be accepted. However if correction/ overtyping is there, it should be attested by the tenderer with signature, date and their seal. Hand written and xerox tender will not be accepted.

14. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

15. Bids shall remain valid for 45 days after the deadline for submission of bids prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

16. Tenderer should give all relevant particulars about every item, such as maker's name Country of Manufacture and Specifications and Price etc., "Specifications as given in catalogue" quoted in tender by the tenderer will not be accepted. Full specification must be written in tender positively and should also be supported by technical literature (Catalogue/ Broachers). Purchase Committee's approval/ decision will be final and binding.

17. Vague expression such as "complete with standard accessories" or "as per your specification" will not be accepted. The tenderers must specifically indicate all specification of the items and should mention clearly what item will be supplied under "accessories" with the Equipment/ Machinery in price schedule enclosed as Annexure-I. Any ambiguity or vagueness in tender for item concerned will be liable for rejection.

18. Makers stickers pasted on equipments/tools will not be accepted.

19. Catalogues/ brochures must be clear, specific and should reflect all the essential specifications of the products/ items, otherwise it will not be considered for comparison. It should be clearly indexed to reflect which item is related to which Catalogues/ brochures.

20. Supplies for any particular item in each package of the bid should be from one manufacturer only. Bids from agents offering supplies from different manufacturers, for the same item of the package in the bid, will be treated as rejected.

21. Contracts will be awarded only for those items which have minimum 3 valid rates.

22. The bids will be examined to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are in order.

23. The decision of the Tender Committee will be final in the scrutiny of successful bidders.

24. The tenderer will have to submit samples on demand before the technical team at the purchaser end, in the prescribed time limit. In case the samples are not produced in the prescribed time it shall be open to the undersigned to forfeit Earnest Money Deposited by the tenderers. If the samples sent by the party are approved the same will be adjusted in regular supply and in the case of rejection, they will be returned back to the party at his cost.

25. Since this procurement is financed by a World Bank loan/ credit, bidders/ suppliers/ contractors are required to permit the bank to inspect their accounts and records and other documents related to the bid submission and contract performance and to have them audited by auditors appointed by the Bank.

26. The fact that the tenderer has signed the form “A” will mean that the tenderer has completely accepted Terms & Conditions of the tender and that the tenderer agrees to abide by these Terms & Conditions of the tender. No deviation from Terms & Conditions of the tender will be accepted under any circumstances. The Terms & Conditions of the tender and clause usually printed on the parties tenders or bills will not be binding on this department.

27. The contents of the form “A” should not be changed or amended otherwise will not be acceptable by this office.

28. The Principal, ITI **KURUD** Chhattisgarh reserves the right at the time of Contract award to increase or decrease the quantity of goods originally specified in the Packages without any change in unit price or other terms and conditions.

29. **Contracts for procurement of packages will be awarded as per the priority and availability of budget.** Suppliers has to deliver and complete the task of installation strictly as per the specification of ordered items within stipulated time otherwise above contract may be treated as canceled without any prior notice.

30. **Before executing the awarded contract** the Supplier shall furnish Performance Security to the The Principal, ITI **KURUD** Chhattisgarh for an **amount of 5%** of the contract value through a Bank Guarantee by a nationalized bank, in the prescribed proforma as Annexure-IV, valid upto 60 days after the date of completion of performance obligations including warranty obligations. If the desired Performance Security is not deposited by the tenderer in the specific period, the Earnest Money already deposited with the tender shall be forfeited. In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/ replaced material shall be extended to a further period of 12 months and the Performance Bank Guarantee for proportionate value shall be extended 60 days over and above the extended warranty period. In the event of any contract amendment, the Supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 60 days after the completion of performance obligations including warranty obligations.

31. If the Supplier fails to deliver any or all of the Goods or to perform the services within the stipulated delivery period(s) specified in the Contract, the Principal, ITI **KURUD** Chhattisgarh shall, without prejudice to its other remedies under the Contract, forfeit the Bid Security and the order is liable to cancel.

32. If the supplier/ dealer fails to supply the items as per the specifications, items will not be received by the consignee and supplier/ dealer has to return it back on his/ her own cost. The supplier / dealer may supply the items of higher specifications (due to manufacturing obligations) if accepted by consignee after examination and testing.

33. The one time extension in the delivery period may be granted at the discretion of the undersigned. The liquidated damage at a rate of 2% per month subject to a ceiling of 10% of the contract price of the full cost of the tool/equipment/machine is liable to be charged for the extension of the delivery period. Once the maximum is reached, the Purchaser may consider termination of the Contract. Equipment received after the delivery period or dispatched after the delivery period mentioned in the order will also be subjected to this liquidated damage. Power to extend delivery period would remain reserved with Principal, ITI **KURUD** Chhattisgarh.

34. Loading/ Unloading charges shall be borne by the supplier.

35. The undersigned may get, the items supplied by the successful tenderer, inspected on receipt of the same by such person or persons he deems fit and to reject such of these items as in his opinion do not come up to the specification. The decision of the under signed will be final in such cases. The rejected items will be returned on the tenderer's cost.

36. Warrantee/Guarantee should be for a period of 1 year minimum after delivery for the goods and its accessories. An undertaking shall be given by the bidder for "After Sales Services" (in case of authorized supplier/ dealer it should be given by the Manufacturer).

37. All the equipments shall be suitably protected, coated, covered or boxed and crated to prevent damage or deterioration during transit/ handling and storage at site till the time of installation/ commissioning. While packing all the materials, the limitations from the point of view of availability of railway wagon sizes, in India should be taken into account. The contractor shall be responsible for any loss or damage during transportation, handling and storage due to improper packing.

38. If any Machines/Equipments require training for users, then supplier/ dealer has to arrange such training program at the destinations free of cost. Installation and working trial is to be given at site at the expenses of supplier.

39. 100% payment will be released after the safe receipt of goods, as per the specifications given in purchase order & and after ensuring successful installation, commissioning and performance of supplied items etc.

40. It must be noted that normally all correspondence and transactions will be made only with the parties whose tenders have been accepted and not with anybody else.

41. The undersigned reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time without assigning any reason prior to contract award, without thereby incurring any liability to the affected bidder or bidders.

42. At any time prior to the deadline for submission of bids, the Purchaser may modify the bidding documents by amendment. All prospective bidders who have purchased the bidding documents will be notified of the amendment by uploading in the website **www.cgstate.gov.in** or by E-mail or by fax and will be binding on them.

43. If any document given by the bidder is found fake/manipulated, then the entire EMD deposited by the bidder in the tender will be forfeited without assigning any reason and such bidder will not be entitled for future biddings.

44. Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

The decision of the “Tender Committee” will be final & binding to all the bidders. Any dispute arising out of this tender or supply of any other matter will fall under the civil jurisdiction of Chhattisgarh High Court only.

Principal,
Govt. I.T.I. **KURUD**
Distt. – DHAMTARI (C.G.)

ANNEXURE-I

Note:- Give Bid Price Item-wise in the following Proforma only. Any deviation will not be accepted.

PRICE SCHEDULE

Package No. ....., Package Name. .....

Name of Bidder .....……

(Amount in Rs)

Item Serial No.	Item Code	Specifications of items, which bidder offers	Name of accessories with specifications (if any)	Make/ Brand of Item	Manufacturer's Name	Catalogue / Brochure Page No. (as indexed by you)	Quantity of Item as per tender With unit	Cost per unit (Inclusive of all Charges) except VAT	VAT	Total value item wise (col. 9 + col. 10)	Total Value in Rs. (col. 8 x col. 11)
1	2	3	4	5	6	7	8	9	10	11	12
Total package Value (in words)											

Note:-

a. The bidding prices shall be for F.O.R. Destination.

b. Rates should be inclusive of all charges (such as charges for Inspection/ Demonstration/ Installation/ Commissioning/ Transportation/ Excise / Custom / Services charges etc. except VAT. VAT should be mentioned separately.

c. Conditional rates will not be accepted.

d. Comparison will be done item wise on the basis of total value as mentioned in column 11.

e. Rates will be finalized for purchase on the basis of individual items having 03 valid rates.

f. Specifications of the items which bidder offers as per the catalogue/ brochure/ Technical details etc. will be considered for comparison and selection. Incomplete details will not be considered for comparison.

g. Price Schedule given in other form will not be accepted and bid will be rejected.

ANNEXURE- II

FORM - A

(To be signed and returned along with the tender)

I/We (Full Name) …….....

Address …….....

…….....

have read the Terms and Conditions of the tender for the supply of various stores as per your tender notice for supply of Package of _____ for INDUSTRIAL TRAINING INSTITUTES ..... of Chhattisgarh under World Bank assisted VTIP Scheme in Shopping Mode due on _____ and I/we fully accept the Terms and Conditions of the Bid supplied to me / us with the Bidding Documents.

I/We also undertake to permit the World Bank to inspect our accounts and records and other documents related to the bid submission and contract performance and to have them audited by auditors appointed by the Bank.

It is further noted that if any manipulation is found at any stage, the tender/ Contract / Supply order shall be rejected and the Principal, ITI ....., Chhattisgarh may take any action against me/us, as she/he deems appropriate.

Details of Earnest Money/bid security in the form of DD/BG (@ 03% of the total tendered value for the package(s) for which bid is submitted) :

(a) DD/BG no. ----------

(b) Value Rs. ----------

(c) Name of Bank ----------

Date: ….....

Signature
(Name & full Address of the firm)

ANNEXURE- III

EARNEST MONEY / BID SECURITY FORM

To: **The Principal, Industrial Training Institute**
KURUD,
Distt.- DHAMTARI, Chhattisgarh

WHEREAS ..... (Name of Supplier) hereinafter called "the Bidder" has undertaken, in pursuance of Tender No. ..... dated ..... 20..... to bid in the said tender.

AND WHEREAS it has been stipulated by you in the said Tender notification that the Supplier shall furnish you with a Bank Guarantee by a nationalized bank for the sum specified therein as Earnest Money/ Bid Security for compliance with the Bidders obligations in accordance with the Tender terms and conditions.

AND WHEREAS we have agreed to give the Bidder a Guarantee:
THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of ..... (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Terms and Conditions and without cavil or argument, any sum or sums within the limit of ..... (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the .....day of.....20.....

Signature and Seal of Guarantors
.....
.....
.....
Date.....20.....……
Address:.....
.....
.....

.....
(Signature of the Bank)

Note : The bank guarantee (submitted by Indian Bidder) should be executed on stamp paper in accordance with stamp Act. The stamp paper should be in the name of executing bank.

ANNEXURE- IV

PERFORMANCE SECURITY FORM

To. The Principal, Industrial Training Institute
KURUD,
Distt.- DHAMTARI, Chhattisgarh

WHEREAS ..... (Name of Supplier) hereinafter called "the Supplier" has undertaken , in pursuance of Contract (Notification of Award) No. ..... dated ..... 20..... to supply..... (Description of Goods and Services) hereinafter called "the Contract".

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a nationalized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a Guarantee:
THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of ..... (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limit of ..... (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.
This guarantee is valid until the .....day of.....20.....

Signature and Seal of Guarantors
.....
.....
.....
Date.....20.....
Address:.....
.....
.....

Note : The Bank Guarantee [submitted by Indian Supplier] should be executed on stamp paper in accordance with stamp paper act. The stamp paper should be in the name of executing bank.

ANNEXURE- V

On Non Judicial Stamp Paper of Rs. 50/-

निविदाकर्ता द्वारा Bid के साथ दिये जाने वाला
शपथ–पत्र

निविदाकर्ता फर्म मेसर्स ..... की ओर से मुझे/हमें अधिकृत किया गया है और मैं/हम निम्नलिखित कथन शपथपूर्वक कहता हूँ/कहते हैं कि :–

1. मैंने/हमने निविदा की सारी शर्तें ध्यानपूर्वक पढ़ी हैं और उनसे सहमत हैं तथा उन्हें मानने के लिये वचनबद्ध हैं।
2. मेरे/हमारे द्वारा संलग्न किये गये सभी दस्तावेज सही है और उनमें किसी प्रकार की कांट–छांट नहीं किया गया है एवं गलत जानकारी नहीं दी गई है।
3. मेरे/हमारे द्वारा कामर्शियल बिड में सामग्रियों के लिये जो स्पेशिफिकेशन दिया गया है और उनके सपोर्ट में जो भी संबंधित दस्तावेज, कैटलॉग/ब्रोशर्स आदि संलग्न किये गये हैं उनमें लिखा विवरण निर्माता द्वारा जारी किया गया है एवं मूल रूप में हैं और उनमें कोई फेरबदल या कांट–छांट नहीं किया गया है।
4. मेरे/हमारे द्वारा निर्माता से मुझे/हमें जारी आथॉराइजेशन प्रमाण पत्र जो कि बिड के साथ संलग्न किये गये हैं वे सही एवं मूल रूप में हैं और उनमें कोई फेरबदल नहीं किया गया है।
5. मैं/हम दिये गये क्रयादेशानुसार सामग्रियों को निर्धारित समय सीमा में स्पेशिफिकेशन के अनुसार सप्लाई करने के लिये बाध्य हैं। देर होने या सामग्रियों के स्पेशिफिकेशन में अन्तर होने पर मुझे/हमें दिये गये क्रयादेश को निरस्त किया जा सकता है एवं शासन को होने वाले नुकसान की भरपाई मेरे/हमारे द्वारा की जायेगी।
6. मेरे/हमारे द्वारा दी गई जानकारी असत्य पाये जाने पर मुझे/हमें एवं हमारी फर्म को निविदा में भाग लेने से वंचित किया जा सकता है।

दिनांक .....

हस्ताक्षर : .....

नाम : .....

धारित पद : .....

फर्म का नाम : .....
(सील सहित)

ANNEXURE- VI

SECTION XII

MANUFACTURERS' AUTHORIZATION FORM*****

No. _____ Dated

To

Principal / Head of the Institution
Government ITI **KURUD**
Under Directorate of Employment & Training
Chhattisgarh

Dear Sir:

Tender no _____ Dated _____

We _____ who are established and reputable manufacturers of *(name and description of goods offered)* having factories at _____ (*address of factory)* do hereby authorize M/s _____ *(Name and address of Agent)* to submit a bid, and sign the contract with you for the goods manufactured by us against the above IFB.

No company or firm or individual other than M/s _____ are authorized to bid, and conclude the contract for the above goods manufactured by us, against this specific Tender. *(This para should be deleted in simple items where manufacturers sell the product through different stockists.)*

Yours faithfully,

(Name)

(Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to legally bind the manufacturer. It should be included by the Bidder in its bid.

* Modify this format suitably in case where manufacturer's warranty and guarantee are not applicable for the items for which bids are invited.

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -110

COMPUTER DEVICE

S.N.	Code No.	Details of Specification	Total
1	**2**	**3**	**4**
1	COPA115	**DVD OR BLU-RAY WRITER** DVD OR BLU-RAY WRITER Specification- Write to all DVD formats including DVD-RAM, record Blu-ray-quality video, Fastest recordable technology available today for DVD burning, Portable External DVD Writer, interfsce USB2.0/3.0, Dvd Minus R Max Read Write Speed 8 X	2
2	COPA116	**Standalone HARD DISKS** Standalone HARD DISKS Specification- Interface Options- USB 2.0/ 3.0 plug and play, capacity- Min. 500GB ,7200rpm.	4
3	COPA117	**LCD PROJECTOR** LCD Projector with wireless connectivity between PC and Projector, Storage media port and wireless LAN connectivity Parameter Name : 1024 X 786 input :- VGA, Video, HDMI, Direct file view, XGA, Measurement Range: 3200	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -102

SERVER/LAPTOP

S.N.	Code No.	Details of Specification	Total
1	**2**	**3**	**4**
1	COPA101	**Laptop :-** 4th Gen Ci5 Processor, 4GB RAM, 1TB Hard Disk, Win8 Preloaded Licensed OS, 2GB Graphics Card, DVD Writer, Network Card : Integrated Gigabit Ethernet(10/100/1000), Standard Ports And Connectors,Antivirus.	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -103

TOOLS (MISLINIOUS TOOLS)

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	DM143	Sets of Morse socket 0-1 1-2 and 2-3	1
2	DM150	Blow lamp capacity 0.5 liter kerosene , coppder plated, with pressure gauge, working pressure: 0.25-0.35m PA	1
3	DM155	Pot melting	2
4	DM167	Drift. copper 10mm x 150mm	2
5	DM179	Stone, carborandum 15 x 5 x 3.75 cm wrought and smooth (consumable)	2
6	DM1107	Valve key inserter	1
7	DM1108	Connecting rod alignment fixture , heavy duty , good quality	1
8	DM1114	Glow plug , type - glow plug, size standard, high quality	1
9	DM1115	Nozzle Holder Jigs	1
10	DM1123	Fillet Radius Gauge good quality, heavy duty material stainless steel, high precision	2
11	DM1124	Stud Removed Description Capacity: 6.35_20mm good quality, heavy duty .	2
12	DM1137	Timing lighter	1
13	DM1148	Wall charts Engine,other parts for diesel mechanic trade purpose.	10
14	DM1149	CD/DVD for demonstration	5
15	DM1150	Display board. 4'X3' wooden frame	1
16	WEL120	Spark lighter spark lighter applicable to ignition in gas welding and cutting four different designs elegant shape,comfortable handle,strong practicality	4
17	DCM121	Traffic Signal Board Plate metalic body , all type traffic signals. 8'X3'	1
18	ELE131	Grease Gun	1
19	ELE138	Thermometer 0 to 100 deg Centigrade	1

20	ELE139	Scissors blade size-150 mm,sharp edge Stainless steel	4
21	ELE140	Crimping Tool capable to crimp different size of lugs.	1
22	ELE141	Wire stripper size-20 cm,heavy duty.	1
23	ELE166	Desoldering Gun	4
24	ELE173	Stock and Dies conduit	1
25	ELE1103	Rheostat 0 -1 Ohm, 5 Amp 0 -10 Ohm, 5 Amp 0- 25 Ohm, 1 Amp 0- 300 Ohm, 1 Amp high temperature coficient,durable&portable. **Each**	4
26	DM168	Gun. paraffin pressure Type: Washing Gun , Heavy Duty, Gravity Feed: 600ML , Industrial High quality: High Atomizing , Tire inflating gun Steel Construction Release drain valve.	1
27	DM170	Chain and block 1000 kg capacity 1000 kg capacity, siling type- chain, min lifting capacity-12m chain hoist has advanced structure,small volume,light weight and big component strength.	1
28	DM174	Lifter, valve spring	1
29	DM175	Tool valve Grinding, suction type (consumable tool) Tool valve Grinding ,sunction type . size -5/8",13/16",1-1/8",1-3/8(Cup size) , high quality &perfect service, Material:wooden handle ,rubber suction cup, Non-slip cups are groove locked to handle. Length:210mm/225mm	2
30	DM176	Valve seat cutting tools complete with guides & Pilot bard (all angles) in box complete with guides & Pilot bard (all angles) in box, Type: Panel Saw ,Blade Length: 105mm-800mm(4"-32") , high working effeciency **set**	1
31	DM177	Extractor, atudy ' Ezy out" Type	1

32	DM178	compression gauge to read 120kg/sq. cm and vacuum gauge 0 to 75 cm compression gauge capacity- to read 120kg/sq. cm Material of adaptor- Copper complete set. vacuum gauge 0 to 75 cm , type - combine meter,All necessory accessories in the packing	2
33	DM180	Cylinder gauge, Bore dial gauge with accessories Mounting: bottom and back connection , connection material: brass	1
34	DM181	Ring Expander and remover	1
35	DM182	Torque wrench (0 to 75 kg meter) type torque wrench, Material: Carbon Steel , Size: 485mm min/approx, Resists Rust and Corrosion and Simplifies Cleaning	1
36	DM190	Filling jig for adjusting the piston ring gap	1
37	DM198	Clutches, different types such as cone type disc type for 4 stroke LMV	2
38	DM1110	High rate discharge tester voltage 7v - 15 v DC , all types of car, power 0.5w	1
39	ELE167	Hand Vice size - 50 mm jaw, good quality,	2
40	ELE168	Table Vice size - 100 mm jaw, heavy duty.	7
41	ELE169	Pipe Cutter able to cut upto 5 cm. dia	3
42	ELE170	Pipe Cutter able to cut above 5 cm dia	2
43	ELE188 DM1135	Growler capable to find out inter turn short in any single Phase or Three Phase Electrical Motor Winding in Rotor as well as Stator. It can check polarity of three phase winding and works on 230V AC, 50Hz.	2

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -104

AIR CONDITIONER

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	COPA 134	AIR CONDITIONER Split type Air conditioners 1.5 tons with mini.3 star rating ,cooling capacity 4950w or above , power consumption-1677w or Appx.	3

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -105

COMPUTER PERIPHERAL

S.N.	Code No.	Details of Specification	Total
1	**2**	**3**	**4**
1	COPA105	**24 PORT SWITCH WITH WIRELESS CONNECTIVITY** Switch specification- Unified wired, Wireless switch Port- 24-10/100Mbps RJ-45 Auto-sensing ports, Interface-UTP/STP cable	1
2	COPA111	COLOUR LASER PRINTER	1
3	COPA112	**Network MONOCHROME LASER PRINTER** Network MONOCROME LASER PRINTER Specification Good Quality mini.Speed : 22ppm (Ltr) / 20ppm (A4),600dpi1200dpi	1
4	DCM132	Laser printer (B&W) Specification Good Quality mini.Speed : 22ppm (Ltr) / 20ppm (A4),600dpi1200dpi	1
5	COPA114	**WEB CAM (DIGITAL CAMERA)** WEB CAM (DIGITAL CAMERA) Specification- Optical Resolution- True 1280 x 720 , Interpolated 3MP digital camera, Connection Type- USB 2.0/3.0, microphone ,Indicator Lights (LED), cable length- 4 Feet, 121.92 CM and above	1

6	COPA121	**DSL Wireless Router** DSL Wireless Router Specification- 4 RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX, Built-in 802.11n Wireless Lan , Factory reset button, WPS button, Wireless on/off switch (optional), RJ-11 ADSL port, USB host 2.0, Wireless speed: up to 54 Mbps (802.11g), 300 Mbps (802.11n)1 Frequency range: 2.4 GHz to 2.484 GHz, Antennas: Dual 2x2 built-in MIMO antennas, WPA/WPA2 (Wi-Fi Protected Access) security ,64/128 bits WEP data encryption , DHCP server/client/relay Static Routing, RIP v.1, v.2	1
7	COPA122	**Wireless Router** Wireless Router Specification - Device Interface 4 10/100 LAN Ports, 1 10/100 WAN Port, Security- Wi-Fi Protected Access (WPA, WPA2), Advanced Firewall Features, Network Address Translation (NAT), Stateful Packet Inspection (SPI) VPN Pass-through / Multi-sessions PPTP / L2TP / IPSec, LEDs-Power,WLAN (Wireless Connection),LAN (10/100)Internet Status	1
8	COPA132	**2D Bar Code Reader** 2D BAR CODE Reader Specification Bar code Reader Stand; USB Cable; 2D omnidirectional barcode scanning, sound and light indicators to signal a successful read,	1
9	COPA131	**Interactive Board** Aspect ratio 4:3 with support for 16:9, 16:10 and 5:4 ratios with scaling, Contrast ratio 2900:1,Video system compatibility NTSC, NTSC 4:43, PAL, PAL-N, PAL-M and SECAM, Video interface compatibility, HDCP compliant HDMI, Composite, S-video, XGA resolution and supports VGA, SVGA, SXGA, Quad VGA, SXGA+ and UXGA formats with scaling. , USB2.0/3.0 Computer (for service access only), 1. Infrared technology, 2. Finger touch Frame: aluminum, durable, Support multi whiteboards connect, support writing, drawing, operation, video play, audio ,etc resource sharing, improve remote network meeting effectiveness, Powerful Teaching Tools :Offer many useful teaching tools, such as different pens, geometric figures, compass, magnifying glass, cover, record, etc., Resolution 4096*4096, Size(INCH) 120"	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -106

DIESEL EQUIPMENT

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	DM187	Fuel injection pump type - fuel injection pump, size min 500x300x500mm/ approx/similar,	1
2	DM1100	Starter motor - Axial type, pre engagement type co-axial type 12v, 3.2 KW , teeth T10 , clockwise	3
3	DM1106	Piston ring compressor Size:3",4",6" , Quality - spring steel,Quick release button	1
4	DM1109	Valve refacer Max. grinding diameter-Φ90 mm Range of grinding valve diameter-Φ25-Φ90 mm Valve axle diameter - Φ4-Φ16 mm Grinding angle - 30°-60° Longitudinal slide travel of work head - 110 mm Cross slide travel of wheel head -90 mm Spindle speed - 180-300 r/min Wheel speed - 4500 r/min Max. grinding depth - 0.025 mm	1
5	DM1113	Injector cleaning kit Power supply: AC220V±10%/50Hz~60Hz AC110V±10%/ 50Hz~ , .Fuel Injectors cleaning kits , Leakage test, input power 250W **Sets**	2
6	DM1116	P.T. Injector Good qaulity for four stoke LMV	1
7	DM1121	Piston Groove cleaner material - quickly remove carbon ,cutter - two or three,A heavy coil spring holds the cutter in place in the groove.	1
8	DM1125	Cut Section Modes for fuel injector	1
9	DM1126	starter test bench cummins,starter,cummins starter,diesel starter,engine starter,diesel engine starter	1
10	DM1145	Fuel injection pump calibration equipment and its accessories and special tools with attachment for distributor pump and in line pump	1
11	DM1147	Cut out models on fuel injection pump etc	2

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -107

METERS

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	DM1111	A.V.O. Meter Current: 0.012 - 0.12 - 1.2 - 12 A Voltage (AC): 12 - 120 - 480 - 1200 V Voltage (DC): 0.12 - 1.2 - 12 - 120 - 480 - 1200 V Resistance: 1000 - 10,000 - 100,000 Ohms.	1
2	DM1138	Hydrometer (Consumable tool)	2
3	ELE172	Ohm Meter Series Type & Shunt Type Desk Stand Ohm's meter,unbreakable ABS case with clear transparent front cover and operated on 1.5V AA cell. Size : appx.100 x 100 x 140mm **each**	2
4	ELE174	Multi Meter analog 0 to 1000 M Ohms, 2.5 to 500 V 1m Drop proof heavy duty designed taut-band movement. Can measure line voltage up to AC 500V. High sensitivity DC 20K /V.Continuity Buzzer, battery check, LED,transistor check.	1
5	ELE175	Digital Multi Meter Operating Temperature: 0 ~ 40°C ; ; Measuring Voltage Range: DC : 0 ~1000V;Continuity Buzzer, battery check, LED,transistor,diode check.	6
6	ELE176	A.C. Voltmeter M.I. 0 –500V A.C,Instruments with accuracy class 1.0 for DC, 1.5 for AC Instruments with high resistance to shock & vibrations	1
7	ELE178	D.C. Milliammeter 0 -500m A A.C/DC,Instruments with high accuracyand high resistance to shock & vibrations	1
8	ELE179	Ammeter MC 0-5 A, 0- 25 A DC,Instruments with high accuracyand high resistance to shock & vibrations **Each**	3
9	ELE180	A.C. Ammeter M.I.. 0-5A, 0-25 A AC/DC ,Instruments with high accuracyand high resistance to shock & vibrations **Each**	1
10	ELE181	Kilo Wattmeter 0-1-3 kw Power meter KW.VAR 2.5 100V secondary voltage passed by voltage ; Secondary current passed by current transformer 5-10KA/5A	1

11	ELE183	Power Factor Meter Digital type,cosφ meter,precision-2.5 COSφ =0.5-1-0.5 100V/5A 220V/5A 380V/5A	1
12	ELE184	Frequency Meter Digital type,capable to mesure 0-200 Hz.	1
13	ELE185	Tachometer with watch capable to conect with shaft 0-3000 rpm.	1
14	ELE190	Megger 500 volts Measuring Range: 1-1000M Ohm±5% ; heavu duty with test certifications.	1
15	ELE1105	Flux meter Range 0-200mT-2000mT Calibrated with Accuracy +/- 2% Resolution - high Resolution AC/DC Measured magnetic field DC magnetic field (Static) / AC magnetic fiel(Dynamic) Frequency range 10Hz~200HZ Function DC/AC measurement button Display the Piroity of Pole.	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -108

GRINDER/DRILL MACHINE

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	DM1127	Grinder with two 18 cm wheels with twist drill grinding attachment	1
2	WEL152	Pedestal grinder Pedestal grinder fitted with coarse and medium grain size grinding wheels dia. 300 mm, Heavy Duty, Double Ended Pedestal Grinding Machines , Two Grinding Wheels accessories Eye Shields with Spark Arrestor Dust Collectors Drill Point Grinding Attachment	1
3	WEL155	AG 7 Grinder ag7 grinder 180 mm, good quality, heavy duty	1
4	WEL169	Bench grinder fitted with fine grain size silicon carbide green grinding wheel dia. 150 mm	1
5	ELE133	Motorised Bench Grinder	1
6	ELE128	Pillar Electric Drill Machine 12 mm capacity with accessories	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -109

ENGINE

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	DM1132	Petrol engine (Running condition, car type) Indian make - Contemporary model)	1
2	DM1146	Engine with P.T. System	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Principal Industrial Training Institute

KURUD Dist. - Dhamtari

FINAL PACKAGE FOR TENDER (IDP)

Details of Proposed Procurement under Shopping Mode (IDP)

S.N.	PKG. NO.	PKG NAME
1	101	TOOLS (TRANEE HAND TOOLS)
2	102	SERVER/LAPTOP
3	103	TOOLS (MISLINIOUS TOOLS)
4	104	AIR CONDITIONER
5	105	COMPUTER PERIPHERAL
6	106	DIESEL EQUIPMENT
7	107	METERS
8	108	GRINDER/DRILL MACHINE
9	109	ENGINE
10	110	COMPUTER DEVICE
11	111	ACESORIES
12	112	WELDING MACHINE
13	113	FURNITURE (LAB)
14	114	GENERAL MACHINE
15	115	FURNITURE (STEEL)
16	116	FIRE FIGHTING EQUIPMENTS
17	117	COMPUTER SOFTWARE
18	118	VEHICLE
19	119	COMPUTER SYSTEM
20	120	ELECTRONIC MACHINE
21	121	ELECTRICAL ACESORIES
22	122	POWER SUPPLY
23	123	ELECTRICAL MACHINE

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -101

TOOLS (TRANEE HAND TOOLS)

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	DM110	**Feeler Gauge** BLADES no. -20 BLADES Blandes:- 85mmx13mm Material: - stainless steel	12
2	WEL101	**Hand Gloves** Size & design – Length – 16" / 14" long, THICK & SOFT quality CHROME leather with FULL GRAINS	5
3	WEL102	**Chisel cold flat** Chisel cold flat 19 mm x 150 mm Superior quality, long service life	2
4	WEL108	**Centre punch** Centre punch 9 mm x 127 mm , good quality	11
5	WEL112	**Wire brush** Wire brush 5 rows and 3 rows Steel Wire Brush	5
6	WEL116	**Scriber 150 mm** Scriber / Probe Type Dual Ended Scriber Tool Body Material Steel Overall Length 190mm	1
7	WEL117	**Tongs holding 350mm** Tool Body Material Steel Overall Length 190mm	10
8	WEL118 ELE112	**Stainless steel rule 300mm** marking in CMs & Inches both	17
9	WEL122	**Screw Driver 300mm blade and 250 mm blade 1 each**	2
10	WEL136	**Steel tape 5 meters flexible in case** Material: carbon steel, fit hand comfortable One flexible stop	1
11	ELE101	**Steel Tape, 10 m length** Steel measuring tape 10 meters flexible Material: carbon steel, measurement in inches & CMs, fit hand comfortable One flexible stop	17
12	ELE103	**Plier Side Cutting.** Drop Forged High Quality Chrome Vanadium Polished 1000V insulated Handles ,6"/150mm,.High frequency cutting edges.	9

13	ELE105	**Screw Driver. 150mm** Cellulos Acetate handle,finest high grade S2 Steel,nickel crome plated finish, hard flate tip	12
14	ELE106	**Electrician Connector.** **screw driver 100 mm** insulated handle thin stem, Cellulos Acetate handle,finest high grade S2 Steel,nickel crome plated finish, hard flate tip	10
15	ELE110	**Knife Double Bladed Electrician** wood handle with double blade, blade make of stainless steel with sharp edge	13
16	ELE111	**Neon Tester** testing DC/AC 12-250V Digital screen, with indicating light,accurate,OEM/ODM, have stock digital voltage tester, popular style digital voltage tester	7
17	ELE148	**Pliers flat nose** size - 150 mm,Drop Forged High Quality Chrome Vanadium Polished 1000V insulated Handles ,6"/150mm.	2
18	ELE149	**Pliers flat nose** size - 100 mm,Drop Forged High Quality Chrome Vanadium Polished 1000V insulated Handles ,6"/150mm. **3 each**	3
19	ELE156	**Gauge, wire imperial** high quality material with high accuracy.	1
20	DM148 ELE143	**Mallet (Wooden)** Wooden Mallet 4" X 2",heavy duty. hard wood 0.50 kg with comfotable wooden handle.	3
21	DM149	**Soldering iron** ,25 watt, good quality, heavy duty	2
22	DM151	**Soldering iron 120watts**	1
23	DM152	**Soldering iron**, copper 225 cms (Fire headed)	1
24	ELE146	**Try Square** size-150 mm blade,heavy duty	4
25	ELE147	**Outside & Inside Divider Calliper** Caliper outside & Inside 150 mm External spring callipers Carefully balanced, with treated points. **Each**	4
26	ELE150	**Tweezers** size - 100 mm, material-Stainless steel,heavy duty	2
27	ELE151	**Snip Straight & Bent** size -150 mm,heavy duty **each**	2
28	ELE153	Drill hand brace Size - 0 to 100 mm	2

29	ELE164	**Soldering Iron** 25 watt, 65 watt, 125 watt, good quality and longer life. **each**	12
30	ELE165	Soldering Iron Copper bit, size- 0.25kg, heavy duty andgood quality	2
31	DM162	Spanner for sparking plug size 14mm, good quality, spark plug wrench,spark plug spanner,adjustable wrench socket made of chrome vanadium steel set	1
32	DM163	Magneto spanner set with 8 spanners steel set	1
33	DM166	Spanner, T. Flex for screwing up and unscrewing in inaccessible position	1
34	WEL132	Spanner D.E. 6 mm to 32mm D.E. Spanner 6MM To 32MM 12 PC good quality metal. sets	2
35	ELE120	Spanner Adjustable 150 mm, 15 degree,heavy duty	1
36	WEL129	File half round bastard 350 mm. Half Round Files are double cut on both flat & curved side, and single cut on edges. They tapered towards the point in width & thickness. They are superb for rounding out holes, corners & crevices	3
37	WEL130	File flat 350 mm rough File Flat Rough Grains. It is one of the most useful hand tool for metal finishing.Durable finish standard Longer service life Reliable performance	3
38	WEL134	Hammer sledge double faced 4 kg Head Steel Forged Carbon Steel,Finishes Painted / Powder Coated	1
39	ELE144	HammerExeter type size- 0.40 kg,with comfotable wooden handle.	2
40	ELE157	File flat 200 mm 2nd cut File Flat It is one of the most useful hand tool for metal finishing.Durable finish standard Longer service life Reliable performance	6
41	ELE158	File half round 200 mm 2nd cut File Flat It is one of the most useful hand tool for metal finishing.Durable finish standard Longer service life Reliable performance	2

42	ELE159	File round 200 mm 2nd cut File Flat It is one of the most useful hand tool for metal finishing.Durable finish standard Longer service life Reliable performance	2
43	ELE160	File flat 150 mm rough File Flat It is one of the most useful hand tool for metal finishing.Durable finish standard Longer service life Reliable performance	4
44	ELE161	File flat 250 mm bastard File Flat It is one of the most useful hand tool for metal finishing.Durable finish standard Longer service life Reliable performance	2
45	ELE162	File flat 250 mm smooth File Flat It is one of the most useful hand tool for metal finishing.Durable finish standard Longer service life Reliable performance	4
46	ELE154	Drill S.S. Twist block size - 2 mm, 5 mm 6 mm set of 3, high quality steel,heavy duty. **sets**	3
47	ELE163	File Rasp, half round 200 mm bastard File Flat It is one of the most useful hand tool for metal finishing.Durable finish standard Longer service life Reliable performance	2

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -111

ACCESSORIES

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	WEL137	Electrode holder 400 amps Specification Ampere capacity: min. 400a Materials:brass Electrode rod size: min.2.5-5.8mm	2
2	WEL138	H.P. Welding torch No. 2 with nozzle nos. 1,2,3, 5 & 7 Welding capacity:0.5mm-8.0mm Good quality andWith 5 pcs of welding Full brass nozzles nos. 1,2,3, 5 & 7	2
3	WEL142	Gas Pressure regulator oxygen double stage double stage,High Quality	1
4	WEL165	Oxy Acetylene Gas cutting blow pipe Body and head are of forged brass sets	2
5	WEL173	Tip Cleaner Welding head gear, steel tip cleaner	3
6	DCM130	Safety stand	1
7	COPA118	Network Rack	2

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -112

WELDING MACHINE

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	WEL144	Welding Transformer with all accessories (400A , OCV 60 – 100 V, 60% duty cycle)	2
2	WEL145	Welding Transformer with all accessories (300A , OCV 60 – 100 V, 60% duty cycle)	1
3	WEL167	CO Arc welding machine 400A capacity with air cooled torch, regulator, gas preheater, Gas hose and standard accessories	1
4	WEL168	AC/DC TIG welding machine with water cooled torch 300 A, Argon regulator, gas hose, water circulating pump and standard accessories	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -113

FURNITURE (LAB)

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	WEL148	Suitable gas welding table with fire bricks table 4' x '6' and 38" high. malong with wheel **sets**	2
2	WEL153	Work bench 340x120x75 cm with 4 bench vices of 125 mm jaw opening **sets**	1
3	WEL174	Work bench Size-250x120x75 with four vices of 12.5 cm heavy wooden top,heavy steel frame	4
4	DCM133	Discussion Table 1800X750X760 MM Wooden Top rail of 75x25 mm & lag 75x75mm Over All Size 72"x30"x30" Preliminated Practical Boad With halfround lipping with thiner polish	1
5	ELE1145	Working Bench size - 2.5 m x 1.20 m x 0.75 m heavy wooden top,heavy steel frame.	4
6	DCM139	Computer table Mini. Size L910xW610xH728 mm Fitted with 18 mm Preliminated Top key board & CPU tray with Chennal Frame with Adustable board	1
7	DCM140	Computer chair Seat back coshionet with Pu foam or Good Quality foam Low Back with out ARM Revolving type with wheels with Hydrolic lift	2
8	DCM141	Printer table 24"X18"X30" Good Quality Over all size 24"X18"X30" Fitted with Preliminated 18 mm Board made of 25 MM Sq. pipe , 25 MM Sq. shoe Fitted with legs One Self at bottom on legs Or Above	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -114

GENERAL MACHINE

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	WEL151	Bench shear capacity up to 5 mm	1
2	WEL154	Power hacksaw machine Strocke MIN -135 ,Strocke per min. (approx) 100-200 Blade Size - 12"-14" ,Electric Motor 1HP Standard Accessories : Mechanical Coolant Pump, Motor Pulley, Starter Plate Length Gauge Belts Guards, Flexible Coolant pipe and all extra accessories	1
3	WEL164	Oven, electrode Oven, electrode drying 0 to 250°C, 10 kg capacity, good quality	1
4	WEL170	Die penetrant testing kit	1
5	WEL171	Magnetic particle testing Kit	1
6	WEL172	Braze weld equipment Braizer Rated Duty Cycle: 100% 24hours Voltage: max Usage: welding/ soldering	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -115

FURNITURE (STEEL)

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	WEL176	Metal Rack 180x150x45cm	3
2	DCM134	Tool Cabinet / Almirah 1980X900X450 MM 22 G. Size 78" height x 36" width x 19 depth 22 Guage CR Sheet Fitted with door lock with handle CR Sheet with locker Plate	1
3	DCM135 WEL175	Trainees locker for 8 locker 1800X900X380 MM Good Quality Size 72" height x 36" width x 15 depth Steel Stucture with 24 G. & 22 G. door locking system in eight Section With Lock Facility	3
4	DCM136	Book shelf (glass panel) 66"x34"x16" 22 G. Size 1675 height x 840 width x 38 depth Steel Stucture with 22 G. Glass door framed with CR Sheet With Lock Facility.	1
5	DCM137	**Storage Rack / Storage shelf** 1980X900X450 MM 22 G. Size 78" height x 36" width x 19 depth 22 Guage GI Sheet Fitted with door lock	4
6	DCM112	Steel tool box with Lock and Key (folding type) size 400 x 200 x 150 mm.	2
7	COPA129	Pigeon hole cabinet : for 10 locker 1800X900X380 MM Good Quality Steel Stucture with 24 G. & 22 G. door locking system in 10 Section With Lock Facility	2
8	COPA130	Storage Cabinet 60x700x450 mm 22 Guage GI Sheet with lock facility	1
9	COPA 133 DCM	Dual Desk for two trainee comfotable sitting with wooden top and heavy frame.	20

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -116

FIRE FIGHTING EQUIPMENTS

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	DCM123 WEL162	Fire brackets set of 3 with stand	2

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -117

COMPUTER SOFTWARE

S.N.	Code No.	Details of Specification	Total
1	**2**	**3**	**4**
1	COPA120	Data Recovery Software (varius type)	3 no Each
2	COPA123	Windows Operating System 2007 or latest with licence media.	10
3	COPA124	Linux (Red Hat) Client with licence media.	1
4	COPA125	Turbo C with licence media.	10
5	COPA126	JVM with licence media.	5

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -118

VEHICLE

S.N.	Code No.	Details of Specification	Total
1	2	**3**	**4**
1	DCM 144	Light Motor Disel Vehicle 800-1000CC with central locking inbuile A/C, 3+1 seater	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -119

COMPUTER SYSTEM

S.N.	Code No.	Details of Specification	Total
1	**2**	**3**	**4**
1	COPA103	DESKTOP COMPUTER / NODES : features: CPU: 1) 32/64 Bit 2) i3/i5 or latest, 3) Speed: 3 GHz or Higher. 4) Cache Memory: - Minimum 3 MB or better. 5)RAM:-8 GB DDR-III or Higher. 6) Hard Disk Drive: 500GB or Higher, 7200 rpm(minimum) or Higher, 7) Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet(10/100/1000) - 8) Wi-Fi, USB Mouse, 9) USB Keyboard 10) Monitor (Min. 22 Inch), Standard Ports and connectors. DVD Writer, Speakers And Mic. Licensed Windows Operating System latest ver. / OEM Pack(Preloaded), Antivirus .	10
2	DCM131	Desktop computer latest configuration and related MS office COMPUTER SYSTEM SPECIFICATION Intel Core i5-2400, 3.1 GHz, 6 MB Cache or higher. 4 PCI (PCI/ PCI Express)2 GB 1066 MHz DDR3 RAM,500 GB 7200 rpm Serial ATA HDD or higher. Monitor-LED (18.5 inch or larger) USB Key board,Optical Mouse with USB interface.DVD R/W Drive latest, OS Windows 7 or 8 Preloaded with Media, Documentation and Certificate of Authenticity.	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -120

ELECTRONIC MACHINE

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	ELE1131	Oscilloscope Dual Trace,30 MHZ Type: - Voltage Regulator, Application: - Alarm Supply, Voltage: - 100 ~ 240VAC, Dissipation Power: 123.	1
2	ELE1132	Function Generator Frequency Range of Sine: 1μHz ~ 300MHz Power:- AC 220V(1±10%) 50Hz(1±10%, Temperature: 10 °C ~ 40 °C Humidity:<80 %,	1
3	ELE1133	Discrete Component Trainer Multiple A.C. & D.C. Power Supplies. The capabilities of this trainer extend far beyond the experiments described. A.C. / D.C. Voltmeter, ranges of 1V, 10V and 250V.and Ameters 50 mA/500mA/5mAwith Audio Transformer and different electronic componants.	1
4	ELE1134	Linear I.C.Trainer Built - in power supplies provides all necessary supplies for experimentation. Patch panel contains all commonly used Linear ICs. with leads and output indicators / display unit.	1
5	ELE1135	Digital I.C.Trainer Built - in power supplies provides all necessary supplies for experimentation. Patch panel contains all commonly used Digital ICs. with leads and output digital display unit.	1
6	ELE1143	Thyristor/IGBT controlled D.C. motor drive with tacho-generator feedback arrangement. 1 HP	1
7	ELE1144	Thyristor/IGBT controlled A.C. motor drive with VVVF control 3 Phase, 2 HP	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -121

ELECTRICAL ACESORIES

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	ELE192	Contactor & auxiliary contacts 3phase, 440volt, 16amp	2 each
2	ELE193	Contactor & auxiliary contacts 3phase, 440volt,32amp	2 each
3	ELE194	Limit Switch High mechanical strength,Double spring inner switch	1
4	ELE197	Brake Test arrangement with two spring balance 0 to 25 kg rating	1
5	ELE198	Knife Switch DPDT fitted with fuse terminals 16 amp	4
6	ELE199	Knife Switch TPDT fitted with fuse terminals 16 amp	4
7	ELE1104	Domestic Appliances – a. Electric Hot Plate 1500 watt b. Electric Kettle, 100 watts c. Electric Iron 1200 watts d. Immersion Heater 500/100/2000 watt e. A.C. Fan f. Geyser (Storage type) 15 ltr minimum g. Mixture & Grinder with ISI mark quality`-	1 No 1 No 1 No 1 No 1 No 1 No 1 No
8	ELE1106	Laboratory Type Induction Coil Intended to carry out the laboratory works on determination of coil inductivity, study of self-inductivity phenomena and electrical resonance. Requires 6-12 volt power source,	2

9	ELE1109	Relays- a. Cut out Rated Voltage / Frequency: 220V/50Hz 115V/60Hz Rated Current / Power(appx.):- 6A / 1HP10A / 1HP Min.cut-in: 20PSI Max.cut-out: 10 b. Reverse current Rating--> 0.5A to 60A Voltage--> 110V, 220V & 440V With & Without Solid State Display c. Over current Current Setting Range:-1 to 5 amps AC Setting/Repeat Accuracy:-± 2% of the time and current range. Operating Voltage:-12 or 24 VDC (±25%) 110 or 240 or 415 VAC (±25%) d. Over load 2 Integral Current Transformers Electronic Shear-pin Function Independently Adjustable Starting Trip Delay e. Under voltage Load: High Power, Rated power:: DC220V, tolerance +15%,-20%,Rated voltage:: AC100V, 100/3V, Rated current: 5A, Zero-sequence current:1A,Rated frequency: 50HZ. **each one**	1 No
10	ELE1110	Starters for 2 to 5 H.P. A.C Motors- a. Resistance type starter b. Direct on line Starter c. Star Delta Starter- manual, semi-automatic and automatic d. Auto Transformer type **each**	1 No
11	ELE1136	Bath Impregnating capablefor all type of armetures	1
12	ELE1141	Air Breaker 5 KVA Number of poles :-1P 2P 3P 4P Rated current :- 6,10,16,20,25,32,40,50,63 Rated voltage :- 230,400 Rated frequency :- 50 Breaking capacity :- 5kva	1
13	COPA128	Vaccum Cleaner Power Input-1100W Appr. Max Vaccume (at blower)-150 MBR Filter - Fabric Filter	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -122

POWER SUPPLY

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	DCM142	Online UPS 2KVA ON LINE UPS, TRUE SINE WAVE, INPUT : AC RANGE 150 V- 270 V, OUT PUT : 230 V-AC WITH OVERLOAD AND SHORT CIRCUIT PROTECTION 2 KVA Online UPS System for 20 Minutes backup time Including SMF Batteries and all accessories.	1
2	ELE1100	DC Power Supply Output Power: 301 - 400W Output Type: multiple/variable Input Voltage: 220V	1
3	ELE1101	Inverter 1 KVA with 12 V Battery Input- 12 volt DC, Output- 220 volt AC	1

FUNDS UNDER ADDITIONAL FUND/INCENTIVE FUND

Schedule of Requirements

Package -123

ELECTRICAL MACHINE

S.N.	Code No.	Details of Specification	Total
1	2	3	4
1	ELE1111	Electrical Machine Trainer – Suitable for demonstrating the construction and functioning of different types of DC machines and AC machines (single phase and three phase). Should be fitted with friction brake arrangement, dynamo meter, instrument panel and power supply units	8
2	ELE1114	Used DC Generators-series, shunt and compound type for overhauling practice	3
3	ELE1115	D.C. Shunt Generator with control panel, 2.5 KW, 230 V	1
4	ELE1116	D.C. Compound Generator control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 230 V, able to easy conect by trainees.	1
5	ELE1118	DC Series Motor 0.5 to 2 HP, 220 Volts coupled with mechanical load with complite fittings and control panal.	1
6	ELE1123	AC Series Motor ¼ HP, 230V, 50 cycles,coupled with mechanical load Volts with complite fittings and control panal.	1
7	ELE1129	Three phase transformer Coil Structure: Toroidal Coil Number: THREE VOLTAGE: 440v 400V 380V 360V 220V110V with protective cabinet easy to conect.	1
8	ELE1130	Variable Auto Transformer Primary-120V, 230V, 50/60Hz,Secondary-Customized,Power factor-0.9 to 0.98 Efficiency-80%-99%,Voltage regulation-16-1.6% Output no-load loss-0.5-10W,Temperature rise-≤85°C,Insulation Class-Class B, Class F, Class H	1
9	ELE1138	Oil Testing Kit Analogue / Digital kV Meter. Test voltage: Min.- 60 kV. user friendly	1
10	ELE1139	Battery Charger 6V/12V/24V Switchable Input:-Single Phase Output:-6 V/12 V/24 V DC up to 50 A Capacity with Ameter and volt meter.	1