OFFICE OF THE PRINCIPAL ITI DONDILOHARA
DIST. BALOD, CHHATTISGARH

Phone No. 9993545756, E-mail – itidnd@rediffmail.com

Tender No. Dondilohara/WB/VTIP/04/DEC 2013 Dt. 24-12-2013

NOTICE INVITING TENDER

Principal ITI Dondilohara, Dist.-Balod C.G. invites sealed tender from eligible bidders (Manufactures of their authorized dealer) for procurement of various Packages of Tools, Equipments & Machinery for Centre of Excellence related to "**Production & Manufacturing**" Sector under World Bank assisted Vocational Training Improvement Project (VTIP) in Shopping Mode.

The tender form (complete set of bidding document along with the packages including details of Items with quantity for purchase) is available on the website **www.cg.gov.in 28-12-2013.**

The Sealed tender should reach the Office of the Principal, ITI Dondilohara, Dist.-Balod Chhattisgarh on for before **27-01-2014** by 13.00 Hrs and will be opened on the same day at 14.00 Hrs Any bid receive 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 For any information please contact the ITI.

Principal
Industrial Training Institute
Dondilohara, Dist.-Balod (C.G.)

OFFICE OF THE PRINCIPAL GOVT I.T.I. DONDILOHARA
DISTT. - BALOD, CHHATTISGARH

Phone No. 9993545756, E-mail - itidnd@rediffmail.com

Tender No. - DONDILOHARA/WB/VTIP/04/DEC 2013, Dated - 24-12-2013

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 Performa 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 and latest VAT clearance certificate is compulsory.
    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/items which is submitted in the bid.
    10. Filled Manufacturer's Authorization Form as given in SECTION XII (Annexure-VI) for all the quoted items in original letter head.
    11. Package wise Commercial Bid in prescribed format (i.e. Annexure-I) should be submitted (separately for each package) in individual sealed envelope duly signed in hard copy along with the soft copy in CD (MS-Excel / PDF).
    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. 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 or latest dealership

certificate) must be submitted necessarily in original letter head. 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 Shecdule Bank. Bank Draft should be in favour of Principal, ITI **DONDILOHARA** payable at **DONDILOHARA**, 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 **DONDILOHARA** for 3% of total tendered value through a bank guarantee by a nationalized bank in the prescribed Performa 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 **DONDILOHARA** 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 DONDILOHARA** Chhattisgarh for an **amount of 5%** of the contract value through a Bank Guarantee by a nationalized bank, in the prescribed Performa 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 **DONDILOHARA** 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 **DONDILOHARA** 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.cg.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. **DONDILOHARA**
Distt. **BALOD** (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**
DONDILOHARA,
Distt.-BALOD ,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
DONDILOHARA,
Distt.- BALOD, 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 ITIs
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.

Principal Govt. Industrial Training Institute,Dondilohara Distt-Balod (C.G.)

Details of Proposed Procurement under Shopping Mode

Sl.No.	Package No.	Package Name	Package Value
1	2	3	4
1	Package-1(A)	' Mechanical Measuring Tools '	
2	Package-2(A)	' Precision Mechanical Measuring Instuments '	
3	Package-3(A)	'GAUGES '	
4	Package-4(A)	'CUTTING TOLOLS'	
5	Package-5(A)	'MARKING TOOLS'	
6	Package-6(A)	'STRIKING AND HOLDING TOOLS'	
7	Package-7(A)	' MISCELLINIUS (MECHNICAL) ITEM '	
8	Package-8(A)	' WELDING ITEM '	
9	Package-9(A)	' MISCELLINIUS (ELECTRICAL) ITEM '	
10	Package-10(A)	' DRILL,MOTOR, TRANSFORMER ,GRINDER '	
11	Package-12(A)	' ELECTRICAL METER '	
12	Package-15 (A)	' LATHE MACHINE '	
13	Package-16(A)	' SPINNING LATHE '	
14	Package-17(A)	' SEAMING MACHINE '	
15	Package-18(A)	' GENERAL MACHINERY- (ELECTRIC FURNACE /Air Compressor)'	
16	Package-19(A)	' MILLING MACHINE '	
17	Package-20(A)	' CNC TRAINER '	
18	Package-21(A)	' PNEUMATIC / HYDRAULIC TRAINER KIT'	
19	Package-22(A)	' NIBBLING/PORTABLE MACHINE '	
20	Package-22(B)	' NIBBLING/PORTABLE MACHINE '	

Principal
ITI Dondilohara
Distt-Balod (C.G.)

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-1 (A)
' Mechanical Measuring Tools '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/1	Steel rule 30 cm graduated both in English & Matric unit	17 Nos.	76 Nos.
	PMB-2/1		17 Nos.	
	PMB-3/19		04 Nos.	
	PMB-4/1		17 Nos.	
	PMB-5/1		17 Nos.	
	PMA-06/21		04 Nos.	
2	PMB-2/56	Steel rule 600 mm graduated both in English & Matric unit	04 Nos.	08 Nos.
	PMB-4/18		02 Nos.	
	PMB-5/25		02 Nos.	
3	PMB-1/26	Steel Tape 2 metres	01 No.	19 Nos.
	PMB-2/08		17 Nos.	
	PMB-5/24		01 No.	
4	PMB-3/15	Steel Measuring Tape 20 metres	01 No.	1 No
5	PMB-1/2	caliper Outside spring 150 mm	17 Nos.	51 Nos.
	PMB-4/2		17 Nos.	
	PMB-5/2		17 Nos.	
6	PMB-1/21	caliper Outside spring 200 mm	02 Nos.	6 Nos.
	PMB-4/16		02 Nos.	
	PMB-5/20		02 Nos.	
7	PMB-1/03	caliper Inside spring 150 mm	17 Nos.	51 Nos.
	PMB-4/03		17 Nos.	
	PMB-5/03		17 Nos.	
8	PMB-1/23	caliper Inside spring 200 mm	02 Nos.	4 Nos.
	PMB-4/22		02 Nos.	
9	PMB-1/04	Hermaphrodite Odd leg caliper Firm Joint 150 mm	17 Nos.	51 Nos.
	PMB-4/04		17 Nos.	
	PMB-5/04		17 Nos.	
10	PMA-6/11	Rule 60cm to fold Bross Tipped to Read Inches &	17 Nos.	17 Nos.
11	PMA-6/38	Steel Tape 182 cm Flexable in case	01 Nos.	01 Nos.
12	PMA-6/10	caliper Outside 15 cm	17 Nos.	17 Nos.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-2(A)
' Precision Mechanical Measuring Instuments '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/61	Micrometer outside 25-50 mm	4 Nos.	08 Nos.
	PMB-4/41		2 Nos.	
	PMB-5/47		2 Nos.	
2	PMB-2/50	Micrometer outside 0-150 mm	1 Nos.	1 No
3	PMB-2/49	Vernier caliper 0 to 150 mm	1 Nos.	1 No
4	PMB-1/64	Direct Reading Vernier caliper 0 to 300 mm	4 Nos.	6 Nos.
	PMB-4/43		1 Nos.	
	PMB-5/50		1 Nos.	
5	PMB-1/65	Vernier height gauge 250 mm	1 Nos.	2 Nos.
	PMB-5/51		1 Nos.	
6	PMB-4/44	Vernier height gauge 300 mm	1 Nos.	1 Nos.
7	PMB-5/52	Vernier Gear tooth caliper	1 Nos.	1 No
8	PMB-1/66	Vernier Bevel Protractor with 150 mm Blade least count of 5 Minutes	1 Nos.	3 Nos.
	PMB-4/45		1 Nos.	
	PMB-5/53		1 Nos.	
9	PMB-2/07	Protractor with Blade 150 mm	17 Nos.	17 Nos.
10	PMB-1/31	Combination Set 300mm Blade with Square Head Centre head and Protractor head.	02 Nos.	04 Nos.
	PMB-4/22		01 Nos.	
	PMB-5/1		01 Nos.	
11	PMB-1/25	Straight Edge steel 500mm	1 Nos.	2 Nos.
	PMB-5/23		1 Nos.	
12	PMB-1/24	Straight Edge steel 1m	1 Nos.	1 Nos.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-3(A)
'GAUGES '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/67	Dial Gauge	2 Nos.	2 Nos.
2	PMB-1/68	Liver Type Dial Gauge	4 Nos.	4 Nos.
3	PMB-1/69	Dial Gauge Stand	4 Nos.	4 Nos.
4	PMB-4/49	Dial Test Indicator with Megnetic Gauge Type 1 Grade a with Megnetic Base	1 Nos.	2 Nos.
	PMB-5/57		1 Nos.	
5	PMB-5/50	Screw pitch gauge metric pitches 0.5 to 6mm	2 Set	2 Set
6	PMB-1/70	Screw pitch gauge metric pitches (0.5 to 7mm)	2 Set	2 Set
7	PMB-1/71	Radius gauge metric set (1-6mm)	1 Set	2 Set
	PMB-1/51		1 Set	
8	PMB-1/72	Feeler gauge 10 blades	1 Set	1 Set
9	PMB-4/46	Bevel gauge 200mm	1 Nos.	2 Nos.
	PMB-5/54		1 Nos.	
10	PMB-5/58	Centre gauge 60	1 Nos.	1 Nos.
11	PMB-2/12	Sheet Metal Gauge	02 Nos.	02 Nos.
12	PMB-5/59	Slip gauge Set (normal set) Metric	1 Set	1 Set
13	PMB-4/47	Telescopic gauge 13mm-300mm	1 Set	1 Set
14	PMB-4/48	Compund Dial Gauge with stand metric system	1 Nos.	2 Nos.
	PMB-5/56		1 Nos.	
15	PMB-4/52	Taper gauge (M.T.No.1 2 3 4 & 5)	1 Set	1 Set
16	PMB-5/62	Limit Plug Gauge 5mm-25mm by 2.5 mm range	1 Set	1 Set
17	PMB-5/55	Sine bar 200mm	1 Nos.	1 Nos.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-4 (A)
CUTTING TOOLS (FILE)

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/10	File flat bastard 300 mm	17 Nos.	38
	PMB-2/36		02 Nos.	
	PMB-5/10		19 Nos.	
2	PMB-1/11	File flat 2nd cut 250 mm	17 Nos.	36
	PMB-2/34		02 Nos.	
	PMB-5/11		17 Nos.	
3	PMB-1/13	File flat smooth 200 mm	17 Nos.	51
	PMB-4/10		17 Nos.	
	PMB-5/13		17 Nos.	
4	PMB-2/35	File flat smooth 250 mm	02 Nos.	2
5	PMB-1/50	File flat 2nd cut 250 mm	04 Nos.	4
6	PMB-1/51	File flat smooth 200 mm	04 Nos.	4
7	PMB-1/52	File Half Round 2nd cut 250 mm	04 Nos.	4
8	PMB-2/37	File Half Round 2nd Smooth 300 mm	02 Nos.	2
9	PMB-3/06	File Round 150 mm	16 Nos.	16
10	PMA-6/32	File flat Rough 35 cm	06 Nos.	06 Nos.
11	PMA-6/31	File Half Round Bastar 300mm	06 Nos.	06 Nos.
12	PMB-1/53	File triangular smooth 200 mm	04 Nos.	4
13	PMB-2/76	triangular File smooth 250 mm	04 Nos.	4
14	PMB-1/54	Needle file set	O1 Nos.	1
15	PMB-1/55	File square 2nd cut 250 mm	04 Nos.	12
	PMB-2/77		04 Nos.	
	PMB-5/42		04 Nos.	
16	PMB-2/51	Rasp Cut File 250mm	4 Nos.	4
17	PMB-2/75	Round File IInd cut 250mm	4 Nos.	4
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Schedule of Requirements

Package-4 (B)
' CUTTING TOOLS '

1	PMB-2/44	H.S.S Twist drills Parallel Shank 3mm,4MM,6MM	3 Nos. Each	9
2	PMB-4/28	Twist drills Taper Shank Set 12 to 20mm in Step of 01mm	2 Sets	2
3	PMB-4/29	Twist drills and Drill Chuck including key less Drill Chuck	1 Sets	1
4	PMB-1/56	Reamer 6 mm to 13mm by	01 Sets.	1
5	PMB-1/57	Hacksaw adjustable 250 – 300 mm	08 Nos.	16 Nos.
	PMB-4/34		02 Nos.	
	PMB-5/43		02 Nos.	
	PMA-6/27		04 Nos.	
6	PMB-1/14	Cold chisel flat 25*200 mm	17 Nos.	17
7	PMA-6/23	chisel Cold Cross 9mm	01 Nos.	01 Nos.
8	PMA-6/07	chisel Cold 19mm Flat	17 Nos.	17 Nos.
9	PMB-1/42	Twist drills 3mm to 13mm (Parallel Shank)	1 Sets	1
10	PMB-2/45	Hand Drill 0 to 6mm,8mm,10mm,12mm	2 Nos. Each	2
11	PMB-1/44	Centre drill A1 to 5	2 Sets	2
12	PMB-4/39	Centre drill 2,3 & 4mm	4 Sets	4
13	PMB-1/48	Tap and die set in box metric pitch	01 Sets.	1
14	PMB-1/49	Drill HSS taper shank 6-25mm	01 Sets.	1
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-5(A)

'MARKING TOOLS'

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/6	Centre Punch 100mm	17 Nos.	77
	PMB-3/14		09 No.	
	PMB-2/3		17 Nos.	
	PMB-4/6		17 Nos.	
	PMB-5/7		17 Nos.	
2	PMA-6/8	Centre Punch 9mm*127mm	17 Nos.	17 Nos.
3	PMA-6/27	Number Punch 6mm and Letter Punch 6mm	1 Set each.	1 Set each.
4	PMB-2/33	Number Punch and Letter Punch 4mm	1 Set each.	2
5	PMB-1/18	Scribing Block/Surface Gauge Universal 150*300mm	02 Nos.	6
	PMB-4/13		02 Nos.	
	PMB-5/17		02 Nos.	
6	PMB-2/10	Scriber 150*3mm	17 Nos.	17
7	PMB-1/20	Try Square 150mm	02 Nos.	2
8	PMB-5/19	Try Square 300mm	02 Nos.	2
9	PMB-2/11	Steel Square 450mm*600mm	4 Nos.	4
10	PMB-2/28	Punch Round 3mm,4mm,6mm Dia	8 Nos. Each	24
11	PMB-1/05	Divider spring 150 mm	17 Nos.	51 Nos.
	PMB-2/04		17 Nos.	
	PMB-4/05		17 Nos.	
12	PMB-1/22	Divider spring 200 mm	02 Nos.	22
	PMB-4/17		01 No.	
	PMB-5/21		02 Nos.	
	PMA-6/09		17 Nos.	
13	PMB-2/2	Wing Divider 200 mm	17 Nos.	17
14	PMA-6/39	Tinmans Square 60cm*30cm	01 No.	01 No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-5(B)

'MARKING TOOLS'

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/16	C.I. Surface Plate 900*900*1200mm with Stand	4 No.	6
	PMB-4/11		01 No.	
	PMB-5/15		01 No.	
2	PMB-5/14	C.I. Surface Plate 400*400 grade with Stand	01 No.	1
3	PMB-1/15	Granite Surface Plate 1000mm*630mm grade with Stand	04 No.	4
4	PMB-4/12	Marking of Table 1200*1200*900mm High	01 No.	2
	PMB-5/16		01 No.	
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-5(C)

'MARKING TOOLS'

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/37	Angle Plate Size 200*100*200mm	02 Nos.	8
	PMB-4/24		02 Nos.	
	PMB-5/35		02 Nos.	
	PMB-4/35		01 Nos.	
	PMB-5/45		01 Nos.	
2	PMB-1/38	Angle Plate Adujustable 250*150*175mm	02 Nos.	4
	PMB-5/36		02 Nos.	
3	PMB-2/48	Trammel Point (with beam) 600mm	01 No.	1
4	PMB-4/14	V' Block 100/7-80-A	02 Nos.	4
	PMB-5/18		02 Nos.	
5	PMB-1/19	V' Block Universal 300mm	2 Nos.	2
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-6(A)

'STRIKING AND HOLDING TOOLS'

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/7	Hammer B.P. 0.5kg with handle	17 Nos.	68
	PMB-2/9		17 Nos.	
	PMB-4/7		17 Nos.	
	PMB-5/7		17 Nos.	
2	PMA-6/6	Hammer Scaling 0.25kg with Handle	17 Nos.	17 Nos.
3	PMA-6/22	Hammer B.P. 1kg with handle	04 Nos.	04 Nos.
4	PMA-6/36	Hammer Sledge Double Faced 3kg	01 No.	01 No.
5	PMB-1/28	Hammer B.P. 0.800gm with handle	06 Nos.	30
	PMB-4/20		12 Nos.	
	PMB-5/27		12 Nos.	
6	PMB-2/19	Hammer Peaning 400gm with handle	04 Nos.	4
7	PMB-2/20	Hammer Creasing 400gm with handle	04 Nos.	4
8	PMB-2/21	Hammer Planishing 400gm with handle	04 Nos.	4
9	PMB-2/58	Raising Hammer	04 Nos.	4
10	PMB-2/60	Hollowing Hammer with handle	04 Nos.	4
11	PMB-2/22	Hammer Block with handle	02 Nos.	2
12	PMB-2/6	Cross Pen Hammer 0.25kg with handle	17 Nos.	17
13	PMB-1/30	Hammer Lead 1kg	02 Nos.	4
	PMB-5/29		2 Nos.	
14	PMB-4/38	Hand Hammer 1kg With handle	2 Nos.	4
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-6(B)

'STRIKING AND HOLDING TOOLS' (MALLET)

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/5	Ordinary Wooden Mallet 500mm	17 Nos.	17
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements
Package-6(C)
'STRIKING AND HOLDING TOOLS'

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/12	Engineers Screw Driver	17 Nos.	34
	PMB-5/17		17 Nos.	
2	PMB-1/17	Screw Driver Set (MultiHeads)	1 Set.	1
3	PMA-6/24	Screw Driver 25cm Blade & 20cm Blade	1 Each	2
4	PMB-1/29	Screw Driver Heavy Duty 300mm	04 Nos.	8
	PMB-5/28		4 Nos.	
5	PMB-1/32	Spindle Blade Screw Driver 100mm	2 Nos.	6
	PMB-5/31		4 Nos.	
6	PMB-1/34	Spanner D.E. GP. Series 2 (7 pcs.Each)	6 Set.	12
	PMB-5/33		6 Set.	
7	PMB-2/52	D.E. Spanner GP. (Set of 12 Spanner 6mm-32mm)	2 Set.	2
8	PMA-6/33	Spanner 12mm & 15mm Double Inded	4 Nos.	8
9	PMB-1/35	Adujustable Spanner 300mm	3 Nos.	7
	PMB-3/18		1 Nos.	
	PMB-5/34		3 Nos.	
10	PMB-1/46	Clamps 'C' 100mm	2 Nos.	6
	PMB-4/31		2 Nos.	
	PMA-6/35		02 Nos.	
11	PMB-2/78	Clamps 'C' 150mm	3 Nos.	5
	PMA-6/35		02 Nos.	
12	PMB-1/47	Clamps 'C' 200mm	2 Nos.	5
	PMB-4/32		1 Nos.	
	PMA-4/33		2 Nos.	
13	PMA-6/35	Clamps 'C' 200mm	2 Nos.	2 Nos.
14	PMB-1/58	Hand Vice 50mm jaw	2 Nos.	20
	PMB-2/63		16 Nos.	
	PMB-5/44		02 Nos.	
15	PMB-2/53	Bessing Mallet	4 Nos.	4
16	PMB-2/54	Endfaked Mallet	4 Nos.	4
17	PMB-2/55	Soft Hammer (Brass, Copper, lead,Rubber and Rawhide Heades)	4 Nos.	4
18	PMB-1/08	Combnation Pliers 150mm Insulated	17 Nos.	53
	PMB-2/40		02 Nos.	
	PMB-4/8		17 Nos.	
	PMB-5/8		17 Nos.	
19	PMB-3/1	Combnation Pliers 200mm Insulated	4 Nos.	6
	PMB-4/36		2 Nos.	
20	PMB-3/7	Plier Side Cutting 200mm	4 Nos.	4
21	PMB-3/8	Plier Round Nose 200mm	4 Nos.	4
22	PMB-3/9	Plier Flat Nose 150mm	4 Nos.	4
23	PMA-6/25	Leg Wise on Stand 150mm	01 No.	01 No.
24	PMA-6/71	Wise Bench 10cm	06 Nos.	06 Nos.
25	PMA-6/34	Spanner DE 6mm-15mm be 1.5mm set of No.	1 Set	1 Set
26	PMA-6/37	Pipe Wrench 25cm & 35cm	1 Each	2
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements
Package-7 (A)
' MISCELLINIUS (MECHANICAL) ITEMS '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/9	Safety Glasses	17 Nos.	55
	PMB-2/62		04 Nos.	
	PMB-4/9		17 Nos.	
	PMB-5/9		17 Nos.	
2	PMB-1/27	Spirit Level 2v 250,05Miter	01 Nos.	1
3	PMB-1/33	Allen Hexagonal keys 2.5-12.52 Sets	2 Sets	4
	PMB-5/32		2 Sets	
4	PMB-1/36	Reduction Sleeve MT as Required	1 Sets	1
5	PMB-1/40	Oil Can Pressure feed 500mg	06 Nos.	18
	PMB-4/26		06 Nos.	
	PMB-5/40		06 Nos.	
6	PMB-2/57	Oil Stone 150*50*25mm	01 Nos.	5
	PMB-1/41		02 Nos.	
	PMB-5/41		02 Nos.	
7	PMB-1/43	Drill Chuck 0-20 with Tapper Shank	01 Nos.	1
8	PMB-1/45	Grinding Wheel Dresser Star Type	01 Nos.	1
9	PMB-1/59	Magnifying Glass 75mm	02 Nos.	2
10	PMA-6/29	Magnifying Glass *6	04 Nos.	04 Nos.
11	PMB-2/13	Stake Round and Bottom	04 Nos.	4
12	PMB-2/14	Half Moon Stake	04 Nos.	4
13	PMB-2/15	Funnel Stake	04 Nos.	4
14	PMB-2/16	Anvil Face Stake	04 Nos.	4
15	PMB-2/17	Bick Iron Stake	04 Nos.	4
16	PMB-2/18	Tinmans Horse	04 Nos.	4
17	PMB-2/31	Rivet Sets Snap and Dolly Combined 3mm,4mm & 6mm Dia	04 Nos. Each	4
18	PMB-2/39	Hand Groover 3mm,4mm and 5mm.	04 Nos.	4
19	PMB-2/41	Grip Wrench 200mm	02 Nos.	2
20	PMB-2/42	Ladle1 150mm Dia	02 Nos.	2
21	PMB-2/43	Blow Lamp 1 liter	02 Nos.	2
22	PMB-2/88	Slip roll former	1 Nos.	1
23	PMB-2/97	Black Board with Easel	1 Nos.	1
24	PMB-2/98	Wooden Rule 4 Fol 60mm	1 Nos.	1
25	PMB-1/6	First Aid Box	1 Nos.	12
	PMB-2/6		1 Nos.	
	PMB-3/6		2 Nos.	
	PMB-4/6		2 Nos.	
	PMB-5/6		2 Nos.	
	PMB-6/6		2 Nos.	
	PMA-6/92		2 Nos.	
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-7 (B)

' MISCELLINIUS (MECHANICAL) ITEMS '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/82	Air Compressor (Pressure & Displacement of Air)	1 Nos.	1
2	PMB-1/39	Solid Parallels in Pair Diffrerent Size in Metric	12 Pair	28
	PMB-4/25		04 Pair	
	PMB-5/37		12 Pair	
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-7 (C)

' MISCELLINIUS (MECHANICAL) ITEMS '

S.No.	Code No.	Details of Specification	Required	Total
1	**2**	**3**	**4**	**5**
1	PMB-2/86	Circle Cutting Machine	1 Nos.	1
2	PMB-2/90	Anvil 50kg	1 Nos.	1
3	PMB-2/92	Fly press / Ball press No.4	1 Nos.	1
4	PMB-2/101	Pipe Bending Machine	1 Nos.	1
5	PMB-2/102	Hand Press Brake Capacity	1 Nos.	1
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-7 (D)

' MISCELLINIUS (MECHANICAL) ITEMS '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/47	Pneumatic Rivet Gun	02 Nos.	2
2	PMB-2/59	Rawl Punch Holder & Bits No.8,10,12,14	2 Sets	2
3	PMB-2/62	Tripaning Tool 70mm	01 Nos.	1
4	PMB-2/64	Steel Wire Brush 50mm*150mm	16 Nos.	16
5	PMB-2/65	Gloves for Welding Leather & Asbestos	16 Nos.	16
6	PMB-2/66	Tongs Close mouth & Pic kup 1 Each	4 Pair	4
7	PMB-2/69	Crow Bar 910*25mm	02 Nos.	2
8	PMB-2/70	Trowel Medium	1 Nos.	1
9	PMB-2/71	Trowel Small	1 Nos.	1
10	PMB-2/72	Poprivet Gun	02 Nos.	2
11	PMB-2/73	Lazy Tong	02 Nos.	2
12	PMB-2/79	Light General Purpose Portable Forge	02 Nos.	2
13	PMB-2/83	Spray Gun (painting) 500ml	1 Nos.	1
14	PMB-2/100	Portable Pneumatic Shear	2 Nos.	2
15	PMB-2/105	Gas Welding Table	2 Nos.	2
16	PMB-2/107	Tin smiths bench folder .	1 Nos.	1
17	PMB-4/23	Reduetion Sleeve MT (to Suit the machine)	1 set.	1
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-7 (E)

' MISCELLINIUS (MECHANICAL) ITEMS '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/84	Guilltotine Shearing Machine Foot Operated MT*18G Capacity.	1 Nos.	1
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-7 (F)

' MISCELLINIUS (MECHANICAL) ITEMS '

S.No.	Code No.	Details of Specification	Required	Total
1	**2**	**3**	**4**	**5**
1	PMB-2/85	Welding plant Oxy-Acetylene complete	02 Nos.	2
2	PMB-2/103	Beading Machine with 380 mm throat	1 Nos.	1
3	PMB-2/106	Spot Welding Machine	1 Nos.	1
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-7 (G)

' MISCELLINIUS (MECHANICAL) ITEMS '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/80	Liquified Petroleum Gas (LPG) Cylinder Regulator & Torch with Burner	02 Nos.	2
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-7 (H)

' MISCELLINIUS (MECHANICAL) ITEMS '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/6	Fire Fighting Equipment / Extinguisher	1 Nos.	12
	PMB-2/6		1 Nos.	
	PMB-3/6		2 Nos.	
	PMB-4/6		2 Nos.	
	PMB-5/6		2 Nos.	
	PMB-6/6		2 Nos.	
	PMA-6/92		2 Nos.	
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (A)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMA-6/1	Gloves pair leather	17 NOS	17 NOS
2	PMA-6/2	Apron leather	17 NOS	17 NOS
3	PMA-6/3	Screen welding helmet type	17 NOS	17 NOS
4	PMA-6/4	Screen welding hand	17 NOS	17 NOS
5	PMA-6/5	Goggles pair welder	17 NOS	17 NOS
6	PMA-6/12	Wire brush (M.S)	17 NOS	17 NOS
7	PMA-6/13	Spark lighter	17 NOS	17 NOS
8	PMA-6/14	Chipping screen hand	17 NOS	17 NOS
9	PMA-6/15	Safety boots for welders	17 NOS	17 NOS
10	PMA-6/16	Safety goggles	17 NOS	17 NOS
11	PMA-6/17	Square blade 15 cm	17 NOS	17 NOS
13	PMA-6/19	Tongs holding 30 cm	17 NOS	17 NOS
14	PMA-6/20	Wire brush (S.S)	17 NOS	17 NOS
15	PMA-6/58	Leather sleeves	16 pairs	16 pairs
16	PMA-6/76	Welding helmets	16 nos	16 nos
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (B)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	**2**	**3**	**4**	**5**
1	PMA-6/18	Scriber 15 cm	17 nos	17 nos
2	PMA-6/28	Hammering blocks 5 cm thick 60 sq	02 nos	2 nos
3	PMA-6/44	Pipe Cutter	1 set	1 set
4	PMA-6/56	Outfit spanner	8 nos	8 nos
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (C)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/104	Transformer welding set with all accessories 200-400 A	2 set	3 set
	PMA-6/59		1 set	
2	PMA-6/60	Arc welding set Rectifier type 400 Amps with all	1 set	1 set
3	PMA-6/61	C_{O2} welding machine complete 400 amps (Inverter	1 set	1 set
4	PMA-6/62	TIG welding set complete 300 amps AC/DC	1 set	1 set
5	PMA-6/73	Electrode drying oven Temp. range 0-2500 C, 10Kg capacity	1 no.	1 no.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (D)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMA-6/30	Weld measuring gauge fillet and butt	02 nos	2 nos
2	PMA-6/40	Welding torches with 10 nozzles	6 set	6 set
3	PMA-6/41	Eutalloy micro flow powder welding process	1 kit	1 kit
4	PMA-6/42	Rototec powder welding process	1 kit	1 kit
5	PMA-6/43	Earth clamps	12 nos	12 nos
6	PMA-6/45	Cutting torch Oxy-Acetylene with cutting nozzle	2 set	2 set
7	PMA-6/46	Heavy duty cutting, blow pipe with cutting nozzles	1 set	1 set
8	PMA-6/47	Electrode holder 400 amps	06 nos	06 nos
9	PMA-6/48	Welding rubber hose, oxygen and acetylene 8 mm	100 mtr	200 mtr
10	PMA-6/49	Rubber hose clips	50 nos	50 nos
11	PMA-6/50	Spindle key (for opening cylinder valve)	8 nos	8 nos
12	PMA-6/51	Pressure regulator oxygen double stage	8 nos	8 nos
13	PMA-6/52	Pressure regulator acetylene Regulators	8 nos	8 nos
14	PMA-6/53	Tip cleaner	8 nos	8 nos
15	PMA-6/57	Rubber hose pipe black and red 5 mm	30 mtr	60 mtr
16	PMA-6/63	Welding cables to carry 400 amps with flexible	50 mte	50 mte
17	PMA-6/64	Lugs for Cables	4 nos	4 nos
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (E)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMA-6/54	Glasses coloured 108 x 82 x 3 mm DIN 9A 11 A & 13 A	16 each	48NOS
2	PMA-6/55	Glass white 108 mm x 82 mm	20 Dozen	20 Dozen
3	PMA-6/89	Fibre Welding booth & welding screen	8 each	16
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (F)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMA-6/66	Gas welding table 822 x 92 cm + 60 cm fire bricks on stand	3 nos	3 nos
2	PMA-6/67	Arc welding table all metal with positioner	6 nos	6 nos
3	PMA-6/68	trolley for cylinder (H P unit)	2 nos	2 nos
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (G)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMA-6/69	Bench shear hand capacity up to 5 mm	1 no.	1 no.
2	PMA-6/78	Dye penetrant Testing kit	2 set	2 set
3	PMA-6/79	Magnetic particle Testing machine	1 no.	1 no.
4	PMA-6/86	Universal Testing machine	1 no.	1 no.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (H)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMA-6/70	D E grinder 30 cm wheel motorized Pedestal type	1 no.	1 no.
2	PMA-6/83	Micro plasma welding machine – 25 Amps	1 no.	1 no.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (I)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	**2**	**3**	**4**	**5**
1	PMA-6/80	Ultrasonic flaw detector	1 no.	1 no.
2	PMA-6/81	X-ray film reference standard	1 set	1 set
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (J)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMA-6/82	82 Submerged Arc welding machine – 600 Amps	1 no.	1 no.
2	PMA-6/84	Spot welding machine – 15 KVA	1 no.	1 no.
3	PMA-6/85	Seam welding machine	1 no.	1 no.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (K)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	**2**	**3**	**4**	**5**
1	PMA-6/87	Personnel Computer with latest profile	1 no.	1 no.
2	PMA-6/88	Welding CDs (Processes and Inspection methods)	1 set	1 set
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements
Package-8 (L)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	**2**	**3**	**4**	**5**
1	PMA-6/90	Fume extractors 4	4 nos	4 nos
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-8 (M)

' WELDING ITEM '

Sl.No.	Code No.	Details of Specification	Required	Total
1	**2**	**3**	**4**	**5**
1	PMA-6/91	Oxygen, Acetylene, Argon & Co2 cylinders	2 each	8 nos
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-9 (A)
' MISCELLINIUS (ELECTRICAL) ITEM '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-3/3	Neon Tester 500V Pencil bit type	04 Nos.	04 Nos.
2	PMB-3/4	Electrician Knife	16 Nos.	16 Nos.
3	PMB-3/13	Wall jumper octagonal 37mmX 450mm	01 No.	01 No.
4	PMB-3/16	Allen Hexagonal keys 2.5-12.52 Sets	2 Sets	2 Sets
5	PMB-3/20	Electric soldering iron 35W	04 Nos.	04 Nos.
6	PMB-3/21	Electric soldering iron 125W	02 Nos.	02 Nos.
7	PMB-3/22	Rubber gloves 5000V	2pairs	2pairs
8	PMB-3/24	Bar magnet	1 No.	1 No.
9	PMB-3/25	Horse shoe magnet	1 No.	1 No.
10	PMB-3/37	Tweezers 100mm	16 Nos.	16 Nos.
11	PMB-3/38	Crimping tools	1 Set	1 Set
12	PMB-3/33	Tong Tester	1 No.	1 no.
13	PMB-2/93	Buffing and Polishing Machine	1 No.	1 No.
14	PMB-3/29	230V with DolStarter	1 No.	1 No.
15	PMB-3/32	Star Delta starter (contact type 8 points)	1 No.	1 No.
16	PMB-3/31	L.F oscilloscope with Attenuation probes	1 No.	1 No.
17	PMB-3/35	DC Power Supply 0v – 110 v / 5A	1 No.	1 No.
18	PMB-3/36	Auto – transformer – variac 230 v	1 No.	1 No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-9 (B)
' MISCELLINIUS (ELECTRICAL) ITEM '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-3/7	Vaccum Cleaner	1 No.	1 No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-10 (A)
' DRILL , MOTOR ,TRANSFORMER ,GRINDER ' (DRILL MACHINE)

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/73	Sensitive Drilling machine pillar 12mm capacity with Accessories	02 Nos.	02 Nos.
2	PMB-1/74	Radial drill .1200mm motorized with tapping Attachment	01 No.	01 No.
3	PMB-1/75	pillar Type Drilling machine 20mm	01 No.	01No.
4	PMB-2/87	pillar Type Drilling machine 20mm capacity with Accessories	01 No.	01 No.
5	PMB-1/76	pillar Type Drilling machine 12mm	01 No.	02 Nos.
	PMB-2/89		01 No.	
6	PMB-3/26	Electric Drill Machine 6mm capacity universal type 250 V	01 No.	02 No.
	PMA-6/75		01 No.	
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-10 (B)
' DRILL , MOTOR ,TRANSFORMER ,GRINDER ' (GRINDER MACHINE)

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-1/77	Pedestal grinder 300mm wheel dia., 3 phase	02 No.	02 No.
2	PMB-2/89	Bench Grinder Motorized (D.E.Grinder)	2 Nos.	02 No.
3	PMB-4/58	Lip grinder, drill grinder, fly press, arbor press	1 each	04 Nos.
4	PMB-5/67	Arbor press , fly press	01 No.	01 Nos.
5	PMB-5/66	Pedestal grinder, Double Inded with 170mm wheels (one fine & one Ruf)	02 No.	4 Nos.
	PMB-4/55		02 Nos.	
		TOTAL		

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-10 (C)

DRILL , MOTOR ,TRANSFORMER ,GRINDER ' (MOTOR & TRANSFORMER)

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
2	PMB-3/27	D.C. shunt motor 1 H.P. 250V (Laboratory type)	2No.	2No.
3	PMB-3/28	Universal motor 750W AC/DC 250V	2No.	2No.
4	PMB-3/30	Transformer single phase 500 ma./ 250 /12V	04 Nos.	04 Nos.
5	PMB-3/35	DC Power Supply 0v – 110 v / 5A	1 No.	01 No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-10 (D)

DRILL , MOTOR ,TRANSFORMER ,GRINDER ' (GRINDER MACHINE)

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-5/56	Surface grinding machine wheel dia 180mm (or near) Reciprocationg table ,longitudinal table traverse 200mm (or near) fitted with adjustable traverse stop,magnetic chuck 250 mm*120mm with set of grinding wheels,diamond tool holders for dressing & set of sp	2 Nos.	2 Nos.
2	PMB-6/74	AG7 Grinder & AG4	2 Each	4 Nos.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-12 (A)

' ELECTRICAL METER '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-3/23	Multimeter 0-5,100,200,500 mill amperes 0-1001000,10000 ohms 0-150,300,600V AC/DC-	02 Nos.	02 Nos.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-15 (A)

' LATHE MACHINE '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-4/54	Lathe General purpose all geared (gap bed), height of centres 150 mm, bed length 1500 mm with jaw and 4 jaw chuck , face plate, taper turing attachment steadies etc . , and set of lathe tool holders.	1 No.	1 No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-15 (B)

' LATHE MACHINE '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-4/54	Lathe General purpose all geared (gap bed), height of centres 150 mm, bed length 1500 mm with jaw and 4 jaw chuck , face plate, taper turing attachment steadies etc . , and set of lathe tool holders.	1 No.	1No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-15 (C)
' LATHE MACHINE '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-4/54	Lathe General purpose all geared (gap bed), height of centres 150 mm, bed length 1500 mm with jaw and 4 jaw chuck , face plate, taper turing attachment steadies etc . , and set of lathe tool holders.	1 No.	1No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-16 (A)

' SPINNING LATHE '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/95	Spinning Lathe	1 No.	1 No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-17 (A)

' SEAMING MACHINE '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/96	Seaming Machine	1 No.	1 No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-18 (A)

' GENERAL MACHINERY- (ELECTRIC FURNACE /Air Compressor)'

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-6/6	Air Compressor-stationary, compression load 8 bar suction capicity 200 litre/Min,Reservoir 200 litre	01No.	01No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-19 (A)

' MILLING MACHINE '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-5/64	Milling machine plain type – horizontal, machine size No.1 withstandard accessories and the following attachmenti.Machine vice swivel base 150 mm-1Noii.Long arbor dia 16,22,27and 32mm-	02 set	02 set
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-19 (B)

' MILLING CUTTER '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-5/38	Milling cutters of different sizes, shapes etcincludingend mills and drills	1 set	1 set
2	PMB-5/39	Involute milling cutter	1 set	1 set
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-20 (A)

' CNC TRAINER (LATHE) '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-6/1	CNC Trainer Lathe with,stabilizer and necessary Turning cutting tools & Tooling package Installation and commissioning	01No.	01No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-20 (B)

' CNC TRAINER (MILL) '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
2	PMB-6/2	CNC Trainer Mill with Servo stabilizer and necessary Milling cutters & Tooling Package Installation and commissioning	01No.	01No.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-21 (A)

' PNEUMATIC TRAINER KIT '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-6/7	Pneumatic Trainer kit – consisting of cylinders Different Types of Direction Control Valves,Pressure diffriunt types of direction control valves pressure dependant dependant valve & flow control valves with accessories and application of Pneumatic circuits.	02Nos.	02Nos.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-21 (B)

' HYDRAULIC TRAINER KIT '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
2	PMB-6/8	Hydraulic Trainer kit with Power pack– Different types of directional Control Valves,Pressure dependant valves & Flow Control Valves with Accessories for Construction and Application of different type of Hydraulics circuit.Different types of Direction control valves, Pressure control.valves and flow control valves with accessories for const.and application of different type of Hydraulic circuits.	02Nos.	02Nos.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-22 (A)

' NIBBLING MACHINE '

S.No.	Code No.	Details of Specification	Required	Total
1	2	3	4	5
1	PMB-2/94	Nibbling Machine	1 Nos.	1 Nos.
TOTAL				

Principal Govt.Industrial Training Institute,
Dondilohara Distt-Balod (C.G.)

Schedule of Requirements

Package-22 (B)

' PORTABLE MACHINE '

S.No.	Code No.	Details of Specification	Required	Total
1	**2**	**3**	**4**	**5**
2	PMB-2/99	Portable Nibbler	2 Nos.	2 Nos.
TOTAL				