

**Tender No. : BHEL/CSU/Packing/2**

**Date: 06/03/2010**

**TENDER NOTICE**

Sealed Tenders are invited in two part bid system, for the following work from reputed/experienced parties for the work given below:-

**01. Name of Work:-**

1. Supply of wooden packing boxes for stampings.
2. Packing of stamping in the boxes.

**02. Cost of Tender: - NIL**

**03. Earnest Money (EMD): -**

**Rs.1,50,000/- (Rupees One lakh fifty thousand only)** for supply of wooden packing boxes for stampings.

**04. Date/ time of Collection of Tender document: -**

Tender document can be obtained from the office of AGM-CSU, up to 27/03/2010, 2:00 PM.

**05. Opening of Tech. / comm. bid: -**

27/03/2010 at 3:00 PM

**06. Acceptance of Tender: -**

Before the opening time & in the Tender Box kept in the Administrative Building, CSU, BHEL, Industrial Area Jagdishpur, Dist. Sultanpur, UP, PIN-227817

V K Minocha  
AGM- CSU  
BHEL Jagdishpur

ANNEXURE – 1: General terms & conditions

ANNEXURE – 2: Technical/ commercial

ANNEXURE – 3: Price bid

ANNEXURE – 4: Specification HY51463 for packing wood.

**General terms & conditions: -**

The general terms & conditions are applicable to both-

- 1) Supply of wooden packing boxes for stampings.
- 2) Packing of stamping in the boxes.

01. Offer should be accompanied with Earnest Money in the shape of Demand Draft drawn in favour of Bharat Heavy Electricals Limited payable at Lucknow. The Earnest money deposit will not carry any interest, & will be returned, after the award of the Contract to the successful bidder.
02. Tender will be opened in the Administrative Building, CSU, BHEL, Industrial Area Jagdishpur, Dist. Sultanpur, UP, PIN-227817, on the above specified date and time in the presence of those bidders who may like to be present.
03. BHEL reserves the right to reject the tender without assigning any reasons what so ever and the decision of BHEL shall be final.
04. While submitting the Tender, it will be ensured by the Tenderers that: -
  - i. Techno/ Commercial Bid & the draft of Earnest Money Deposit (EMD) are kept in envelope No.1. Super scribe this envelope as – Tender Enquiry No. **BHEL/CSU/Packing/2**, date: 06/03/2010 Techno/ Commercial Bid.
  - ii. Price bid is kept in envelope No.2. Super scribe this envelope as – Tender Enquiry No. **BHEL/CSU/Packing/2**, date: 06/03/2010 Price bid.
  - iii. Envelope no.1 & no.2 are kept in a bigger envelope no.3
  - iv. All the papers (including the envelopes) should be signed & rubber stamped by the bidder.
05. Evaluation criterion – The price bid shall be evaluated based on the total value of work as given in Annexure-3.
06. The contractor will submit the bill after completion of the assigned work & getting verified by BHEL. The rates quoted / awarded will be per cubic meter of wood used. The billing will be done by contractor in cubic meter of wood used.
07. The contract shall remain **valid up to 31/03/2011.** & can be extended up to 31/03/2012. BHEL reserves the right to short close the Contract any time without assigning any reason.
08. The offer shall remain valid for 30 days from the date of tender opening, including the tender opening date.
09. Arbitration- Any dispute arising out of this contract shall be referred to the sole arbitration of GM- CSU BHEL, Jagdishpur. Its award shall be final and binding on the parties. The venue of arbitration in all cases shall be at CSU Jagdishpur.
10. Jurisdiction - In case of any suit or other legal proceedings arising under or relating to the rate contract, the Jurisdiction of Sultanpur (UP) district court shall apply.

**Technical/ Commercial Condition:**

**A. Supply of wooden packing boxes for stampings.**

**1. Technical:-**

- 1.1 Wooden packing boxes are to be supplied for packing of steel sheet stampings. The stampings are in circular or segmental shape with thickness of 0.5/0.65/1.0 mm. The diameter of circular stampings will be in the range of 500mm to 1250mm. The segmental stampings will be 900/1000/1200 mm x 800/1000 mm, accordingly the base will be square or rectangular of the matching size.
- 1.2 The height of the stack will be 400mm to 800mm approximately.
- 1.3 The weight of the stampings to be packed in a box will be in the range of 1500 to 3000Kg.
- 1.4 1/2/3 stacks may be made in a packing box, depending upon the size & weight.
- 1.5 A card board sheet will be kept on the base before stacking of the stampings.
- 1.6 Bottom wooden members of the base will be fastened by coach bolts. Steel angles (50mm X 50mm X 100 long) at four corners are to be provided on the base for slinging.
- 1.7 The stack of stampings will have to be secured by providing two studs of matching length. The diameter of the studs will be 12mm depending upon the stamping design. Nut at the bottom of the stud will be tack welded to the stud to prevent its rotation while tightening. The top nut will be tightened using plane washer & spring washer. Sleeve of cardboard/ paper is to provide to prevent the studs damaging the stamping edges.  
In case the diameter of hole is more than 12mm, the diameter of the stud shall be 12mm and a cardboard sleeve is to be inserted on the stud to prevent the lateral movement of the punching.
- 1.8 The stack of stampings will be wrapped with VCI paper & polythene sheet & will be secured in position adhesive tape.
- 1.9 The sizes of wooden members will be - 25/50/75 X 100/150 X 700/900/1000/1100/1200 / 1400 mm approximately. The total volume of wood used for one packing box will be approximately 0.15/0.20 cubic meter. The total volume of wooden members used in one packing box will depend on size & design of the box.
- 1.10 The design of the packing box for various types of stamping will be given by BHEL design will vary from item to item & the total weight of the stampings to be packed in one box.
- 1.11 Base, sides & top cover are to be secured/ fastened with steel strips-25mm wide X 24 gauge.
- 1.12 The packing boxes will be marked with (writing on the box) the consignee address & other details as provided by BHEL.
- 1.13 Details of the packing wood are given in the enclosed specification HY 51463.
- 1.14 The packing box will consist of the following

- Base
- Four side panels
- Top cover

1.15 Billing will be done on the basis of the wood (Rs. Per cubic meter) used. All other charges/ consumables etc. will be included in the rate of wood used.

1.16 The packing boxes of different sizes will be supplied based on the packing requirement of the stampings. The contractor will maintain close liaison to assess the requirement of the packing boxes. The packing boxes will be supplied within 3 day after the information is given to the contractor for the supply of boxes. Preliminary inspection of the boxes will be carried out on receipt of the boxes at BHEL. Final inspection will be after the packing has been completed.

1.17 The packing boxes should be guaranteed for safe packing, handling & transportation up to the destination. The contractor will give self inspection report & guarantee certificate to this effect along with each consignment.

1.18 The supplier shall also supply wooden boxes for packing of tools, equipments and other items as per BHEL requirements.

## **2. Commercial:-**

2.1 The prices are firm.

2.2 CST against form C will be payable at actual.

2.3 Original excise duty gate pass & TAX invoice of VAT, if applicable shall be submitted by the vendor to enable purchaser to claim Cenvat credit.

2.4 Excise duty / Sales tax/ VAT shall be claimed separately in the bills for supplies. This shall be payable at actual.

2.5 The packing boxes, shall be supplied FOR, CSU BHEL Jagdishpur.

2.6 The title of goods shall pass on to the purchaser on FOR Terms.

### **2.7 Terms of Payment**

- Payment including excise duty & CST/VAT will be made against Stores Receipt Voucher (SRV). Payment will be through cheque.
- 80 % the total cost of the boxes will be paid on receipt & inspection of the boxes.
- 10 % the total cost of the boxes will be paid after the packing of stampings is completed.
- 10% the total cost of the boxes will be paid after the satisfactory receipt of the boxes at the destination.
- Payment will be made within 30 days of the completion of the above activity.

### **Penalty for Delay**

- (i) The delivery of the packing boxes shall be made within the time prescribed. Failure to supply the boxes in time as per the delivery specified would make the vendor liable to an un-conditional penalty at the rate of one half percent (1/2%) of the order value per week (or part thereof) subject to a maximum of ten percent (10%) of the order value.
- (ii) Since time is the essence of the contract, BHEL will reserve the option to forfeit the contract performance guarantee after 7 days delay in the supply of the packing boxes.

### **Bank Guarantees**

The vendor shall furnish a **contract performance bank guarantee (CPBG)** of 10% of the contract price confirming that the contract will be executed as per the terms and conditions and the CPBG should be valid till the acceptance of full quantity of the packing boxes at Destination or 31

March, 2011 whichever is earlier, with a further claim period of two months. All charges for establishing the Bank guarantee will to the vendor's account.

### **Invoices and payment documentation**

- . Invoices shall be issued by the supplier in the name of the purchaser.
- . The invoices shall contain the following information:
  - A. Item no. quantity and description of equipment as per purchase order.
  - B. Gross amount payable and net amount payable.
  - C. Taxes and duties payable.
  - D. Tax Registration Nos.

The following documents shall be presented by the supplier to the purchaser for drawing payment:

- Signed commercial invoice in quadruplicate.
- LR (or equivalent document).
- Packing list.

### **Dispatch instructions**

The consignee shall be as follows: -

Stores officer  
Centralized Stamping Unit  
Bharat Heavy Electricals Limited  
Industrial Area Jagdishpur, Dist. Sultanpur (UP), PIN - 227817.

### **Qualifying requirement**

Documentary evidence/ agreement showing that the proprietor /company have an established supply chain of packing wood of minimum 20 cubic meters per month.

## **B. Packing of stamping in the boxes.**

### **1. Technical**

- 1.1 Stacking & packing of the stampings in the wooden boxes.
- 1.2 Items-Studs, nuts, steel angle, steel strip, nails, cardboard, paper/ card board sleeve, marking paint, 60 GSM (grams per square meter) polyethene sheet, adhesive tape & such other items are in the scope of the packing contractor. Tools fixtures etc. are in the scope of the contractor. The contractor will carry out the packing of stampings – stacking, wrapping the polythene sheet & VCI paper, stud fixing, fixing the side panels, top cover, securing with sleet strip, marking etc. using only the hand tools.  
**No electric power, handling facility, crane, fork lift etc. will be provided by BHEL.**
- 1.3 VCI paper will be supplied by BHEL.
- 1.4 The contractor will carry out the packing work in the BHEL premises at location identified by BHEL.
- 1.5 The contractor will have to maintain liaison & organize the resources in a manner that the packing of the stamping is completed in one day, after the stampings are made available.
- 1.6 Billing will be done on the basis of the quantity of wood (Rs. Per cubic meter) used. All other charges/consumables etc. will be included in the rate of wood used.

### **2. Commercial**

- 2.1 Following details are to be furnished along with the technical offer: -
  - Name of the proprietor/company, with address & contact Landline/ mobile number.
  - Income tax PAN Number

- UPVAT TIN NO
  - A consent letter by the bidder that all terms & conditions of the tender are acceptable to the bidder.
- 2.2 The price quoted will be firm & all inclusive of taxes & duties. No charges other than the price quoted Rs. per cubic meter of wood used, arising out of any reason will be payable by BHEL.
- 2.3 The successful bidder shall sign a Contract on Rs.100 (Rupees one hundred) non-judicial stamp paper with BHEL, at his own cost and deposit the security money within in three days of award of letter of indent or the Contract.
- 2.4 Successful bidders will have to deposit Security Money (Rs.4 Lakhs+5% of the amount of the order value exceeding Rs.50 Lakhs) within seven days after award of LOI or Contract, which ever is earlier. Security money will be in the form of Bank Guarantee from BHEL consortium bank on specified format, or will be in the form of DD in favour of BHEL payable at Lucknow. Security deposit will not carry any interest .It will be returned to the contractor, within 30 days, after successful completion of the Contract
- 2.5 The successful bidder will also be required to submit following documents within 7 days of the award of the LOI.( Letter Of Intent)-
- a. Service tax registration number.
  - b. Contract Labour licence(Central)
  - c. PF Registration
  - d. ESI Registration
  - e. Local police verification of labours that will work in CSU premises.
  - f. Residential proof of labours
  - g. Two passport size photographs of labours
  - h. The bidder shall submit a notarized affidavit that they have not been held guilty by any court of law for any offence involving dishonesty & moral turpitude.

2.6 The contractor will have to start the work within 7 days of getting the LOI/ Work Order. Failure in satisfactory performance of the contract shall lead to forfeiture of the security deposit. BHEL reserves the right in such case to get the work done through other means & the loss sustained by BHEL shall be recovered from the contractor.

2.7 Works Contract Tax (WCT) will be deducted as the rules.

2.8 Payment shall be made on monthly basis through cheque.

2.9 TDS (Income Tax) shall be deducted from the packing charges.

#### 2.10 Terms of Payment

- Payment including taxes will be made on completion of the assigned packing work. Payment will be through cheque.
- 80 % the packing charges will be paid on completion of the assigned packing work.
- 20% will be paid after the satisfactory receipt of the boxes at the destination.
- Payment will be made within 30 days of the completion of the above activity.

#### **Qualifying requirement**

Documentary evidence that the proprietor /company have executed the work of wooden packing, in last 2 years, meeting at least one of the following conditions –

- The total volume of packing wood used should be minimum 100 cubic meters.
- Total value of the work should be minimum Rs.10, 00,000/-.

**Price Bid**

1. The price bid will be opened only for those bidders who qualify the technical bid for: -
  - A. Supply of wooden packing boxes for stampings &
  - B. Packing of stamping in the boxes.
2. The bidder has to quote for both: -
  - A. Supply of wooden packing boxes for stampings
  - B. Packing of stamping in the boxes.
3. Any bidder who has quoted for any one of the above will not be considered for evaluation.

The evaluation criterion will be the total cost to BHEL for supply of wooden packing boxes for stampings & packing of stamping in the boxes.

- i. The price quoted should be in Rs. per cubic meter of packing wood used. All other charges/ taxes/ duties are included.
- ii. The total volume of the work is 400 cubic meter. This is only indicative & the actual volume may vary.

The price is to be quoted in the following format: -

1. **Rate in Rs per cubic meter** of wood for the Supply of wooden packing boxes for stampings.

<b>S. No.</b>	<b>Item</b>	<b>Amount in Rupees</b>
1.1.	Cost of wood	
1.2.	Cost of other items/material	
1.3.	Total Material cost	
1.4.	Taxes -i. -ii -iii	
1.5.	Cost of boxes -T1	

2. **Rate of packing of stampings in Rs. per cubic meter of wood consumed.**

2.6	Packing charges	
2.7	Service Tax Any other tax	
2.8	Cost of packing = T2	

**Note:** - % of taxes /details must be mentioned.

3. **Total cost**      T= T1 + T2 per cubic meter of wood consumed=  
Rs----- (In fig.)  
Rs. ----- (in words)

Name of the bidder

Signature

**SPECIFICATION HY51463 FOR PACKING WOOD****NON-CONIFEROUS TIMBER FOR GENERAL PACKING PURPOSES****1. GENERAL:**

This specification governs the quality of non-coniferous timber supplied in the form of planks, battens, beams and sleepers. This specification supersedes PS: 40101/A.

**2. APPLICATION:**

Used for the manufacture of packing cases/crates.

**3. COMPLIANCE WITH NATIONAL STANDARDS:**

Assistance has been derived from the following Indian Standards in preparing this specification.

IS: 399 – 1963: Classification of commercial timber and their zonal distribution.

IS: 1326 – 1976: Specification for non-coniferous sawn timber (Baulks and Scantlings)

(Amendment 1).

IS: 5966 – 1993: Specification for non-coniferous timber in converted form for general purposes.

IS: 6662 – 1993: Specification for timber species suitable for wooden packaging. (Groups I & II).

**4. TERMINOLOGY:**

For the purpose of this specification, the definitions given in IS: 707 (Glossary of terms applicable to timber and timber products) shall apply except for the beam which is defined as below. Beam is defined as converted timber whose cross-sectional dimensions exceed 50mm in both directions.

**5. SPECIES:**

The species of non-coniferous timber shall be as per annexure A.

**6. DIMENSIONS AND TOLERANCES:****6.1 Sizes:**

Width, thickness and length of timber shall be clearly stated on the order/drawing.

**6.2 Tolerance:****6.2.1 Width:**

Width, mm	Tolerance, mm
50, 75, 100	+ 3
125, 150, 200, 225, 250	{+ 6
	{- 3

**6.2.2 Thickness**

Thickness, mm	Tolerance, mm
20, 25, 35, 40, 50	+3
75, 100, 125, 150, 175, 200, 250	+6
	-3

**6.2.3 Length:**Standard length:

1 to 12metres in multiples of 0.5 metre.

Tolerance:

± 2% or ± 50mm whichever is less.

Note: The minus tolerances for width, thickness and length shall not be permitted in more than 10% of the timber supplied.

**7. SEASONING AND MOISTURE CONTENT:**

**7.1 Timber for packing purpose other than export orders:**

The timber shall have a moisture content of 30% maximum for planks and battens and 35% maximum for beams within a depth of 15mm from the surface excluding a length of 30cm from each end, at the time of inspection any time in the year. The moisture content will be determined in accordance with appendix-A of IS: 287. This does not apply to timber procured in sleeper form for further conversion.

**7.2 Timber for packing purpose for export orders:**

The moisture content shall not exceed the maximum of 18%.

**7.3** The moisture content % shall be specified in the order.

**7.4** If it is not possible to procure wood with moisture content 18% maximum limits, the procured wood shall be seasoned internally/externally so as to limit the moisture content.

**8. FREEDOM FROM DEFECTS:**

Timber shall be free from the following defects:

Brashness, splits across the grain, shakes, cup, spring, twist insect attack, any kind of decay (rot) visible infection, open centre heart, centre heart on planks and any other defect. The extent to which defects are permitted are given in Annexure II.

**9. END COATING:**

Timber shall be coated with any of the following effective compositions, upto a distance of 80mm from each end or 20mm more than the longest split.

**9.1** Thick coal tar or bituminous paint.

**9.2** Resin and lamp black (10:1), melted, mixed and applied hot.

**9.3** Hardened gloss oil.

**9.4** Paraffin wax.

**9.5** Molasses and lime (3:1).

**10. END STRAPPING:**

Timber above 200mm x 200mm cross section or as and when required shall be strapped with steel clamps to prevent end splitting.

**11. CERTIFICATES:**

The supplier shall furnish a certificate with each lot/consignment in support of the type of species, treatment (Fumigation/Chemical), if any, and moisture content.

**12. MARKING:**

The timber shall be marked/painted in order to identify the source of supply in accordance with out instructions.

**SPECIES OF NON-CONFEROUS TIMBER RECOMMENDED FOR HEAVY PACKING CASES/CRATES**

SL. NO.	BOTANICAL NAME	STANDARD TRADE NAME	LOCAL NAMES	ABBREVIATED SYMBOL
1.	FAGARA BURDRUNGA	MULLILAM	MUTTILAM (TAMIL), RHETSA (TELUGU); BEPULI (UUDU)	MUY
2.	CAREYA ARBOREA	KUMBI	KUMBHI (ASSAM & BENGALI), KAMBI (HINDI)	KUM
3.	SYZYGIIUM CUMINI	JAMAN	JAMUN (HINDI & MP); JAMUK (ASSAM);JAM (BENGALI); KUDA(KOLI); JAMU (ORIYA);JAMBU (GUJARATI); NERLU, NERULA(KANNADA); JAMBUL (MARATHI); NAVAL(MALAYALAM & TAMIL); NEREDU (TELUGU)	JAM
4.	APHA NAMIXIS POLYSTACHYA	PITRAJ	BOGA, AMARI (ASSAM); LOCHUNI,LOSHUNE (BENGALI); RAKTATOHIDA(MARATHI), MULLU-MUTTAGA (KANNADA);KARAGIL (MALAYALAM), VEKKALI,VELLAKONGU (TAMIL)	PIT
5.	ALBIZZIA PROCERA	SAFIDSIRIS	SAFED- SIRIS (HINDI); SIT (ANDAMANS);KOROI (ASSAM & BENGALI);TENTHR(KOLI);DHALASIRISH (ORIYA); KINHAI, KILAI(MARATHI); GURER (MP); KARANGRO(GUJARATI); BELLATI, SALVAGAI (KANNADA);VELLAVAKA (MALAYALAM);VELVAGAI (TAMIL); TELLACHINDUGA (TELUGU)	SSI
6.	TERMINALIA BELLIRICA	BAHERA	BAHERA (HINDI & MARATHI); BHAIRA (PUNJABI); BHOMARA (ASSAM); LUMPUNG(KOLI); BAHADA (ORIYA); BAHETA (GUJARATI);THARE, TARE, TARI (KANNADA); BAEHLA(MARATHI); THANNI (MALAYALAM ); TANI(TAMIL & TELUGU)	BAH
7.	LOGERSTROEMIA PARVIFLORA	LENDI	ASIDH, DHAURI'SIDA (HINDI); MECHI(ASSAM); SIDHA (BENGALI & ORIYA);GARASEKRE (KOLI); BURI - DHAMERO(NEPALI); LENDIA - SENHA (MARATHI);KALIASAJA, LENDI (MP) BONDARO (GUJARATI); NANAGU (MALAYALAM);PEIKADUKKAI (TAMIL); CHENNANGI(KANNADA & TELUGU)	LEN
8.	ACROCARPUS FRAXINI FOLIUS	MUNDANI	MANDANE (NEPALI); BELANJI (KANNADA); KURANYAN,MALAVEPPU (MALAYALAM); MALAMKOMAI (TAMIL)	MUN
9.	DYSOXYLUM MALA BARICUM	WHITE CEDAR	BILIDEVADARI (KANNADA); VELLA - GIL (MALAYALAM & TAMIL)	WCE
10.	MANGI FERA INDIA	MANGO	AM (HINDI & ASSAM); AMB (PUNJABI);ULI (KOLI); AMBA(ORIYA & MARATHI);MAVU (KANNADA) MAMARAM(TAMIL); MAMIDI (TELUGU)	MAN
11.	LAGERSTROEMIA SPECIOSA	JARUL	AJHAR (ASSAM); GARASEKRE(KOLI); PUNIPATULI (ORIYA);NIRMARUTHU (MALAYALAM);POOMARUTHU, PUMARUDU(TAMIL)	JAR
12.	ADINA CORODIFOLIA	HALDU	HALDU, KARAM (HINDI); TARAKCOPA (ASSAM); RANGKAT (BENGALI)KUMBHA (KOLI); KURUMA (ORIYA);HALDU, HEDU (MARATHI); KARAM (MP); HALWDWAR, HALDWAN(GUJARATHI); HEDDI, YETAGAL,YETTAGA (KANNADA); BIMBU (MALAYALAM); KADAMBERI,MANJAKADAMBAI (TAMIL);HALDAWA (URDU); BANDARU(TELUGU)	HAL
13.	DIPTEROCARPUS INDICUS	GURUJAN	GARJAN (ASSAM); YENNEMARA(COORG); KALPAINI, KALPINE(MALAYALAM); ENNEY, VELLAYINI (TAMIL); KALPINE (KANNADA);GURGAL (URDU).	GUR
14.	LAGERSTROEMIA LONCEOLATA	BENTEAK	NANA (GUJARATI & MARATHI); NANDI,BENDEKU (KANNADA); VENTEAK(MALAYALAM); BETHEKKU, VENTHEKHU (TAMIL);BILLINANDI, BOLULTAR (TELUGU)	BEN
15.	DIPTEROCARPUS MACROCARPUS	HOLLONG	HOLLONG (ASSAM)	HON
16.	MITRAGYNA PARVIFOLIA	KAIM	GURI, KALAM, PHALDU (HINDI);HAMSABETI (KOLI); MITUKUNIA(ORIYA)	KAM

17.	TERMINALIA PROCERA	WHITE BOMBWEE	DADAM (ANDAMAN)	WBO
18.	ARTOCARPUS HIRSUTA	AINI	HEBBALASU, HEBHULSINA (KANNADA); PATH- PHANAS (MARATHI); AINIPILAVU(MALAYALAM); AINIPILA ANJILI (TAMIL)	ANI
19.	TERMINALIA MYRIOCARPA	HOLLOCK	PANISAG (NEPALI)	HOL
20.	PROTIUM SERRATUM; BURSERA SERRETA	MURTENGA	ERRA KARRA (TELUGU)	MUR
21.	GREWIA- TI LIFOLIA	DHAMAN	TADA (TELUGU); DADSAL, THADSAL(KANNADA); CHADACHI (MALAYALAM)THADACHI (TAMIL); PEDDA JANA, (TELGU)	DHA
22.	ALBIZZIALEBBECK	KOKKO	SIRIS (HINDI & ORIYA); SARIN, SHRIN(PUNJABI); HIRIH (ASSAM); SIRISH(BENGALI); CHICHOLA (MARATHI); BAGE(KANNADA); VAKA (MALAYALAM); VAGAI(TAMIL); DIRISINAM (TELUGU)	KOK
23.	HOLOPTELEA- INTERGRIFOLIA	KANJU	KANJU, PAPRI (HINDI); KUMKAR,RAJAIN (PUNJABI); ANJAN (BENGALI);CHIBIL, DHAURANJO (ORIYA); PAPARA(MARATHI); CHILWAL, CHIROL, KARANJI (MP) THAPSI (KANNADA);AVAL (MALAYALAM) AYILI (TAMIL)	KAJ
24.	SCHIMAWALLICHI CHOISY	CHILAUNI	GOGRA, MAKRISAL (ASSAM)	CHL
25.	XYLIAXYLOCARPA	IRUL	KONGRA, TANGAN (ORIYA); SURIA (MARATHI); SAURIYA (MP) JAMBE(KANNADA); IRUL (TAMIL), KONDATANGEDU (TELUGU)	IRU
26.	HOPEA	HOPEA	BOGIMAR (KANNADA); IRUMBOGAM (MALAYALAM); VELLAI - GONGU (TAMIL)	HOP
27.	TERMINALIA- TOMENTOSA	LAUREL	ASNA, SAIN (HINDI); AISAN (PUNJABI);HATANA (KOLI); PUCCASAJ (NEPALI);SAHAJA (ORIYA); AIN, SADAR, SAJ (MP)KARUMARUDU(MALAYALAM); KARIMARUDU, MATTI (TAMIL);NALLAMADDI (TELUGU)	LAU
28.	SHOREAROBUSTA	SAL	SAKHU, SAL, SAKHUA (HINDI); SARJAM (KOLI); RAIGAL -A SARGI (ORIYA)	SAL
29.	MESUAFERREA	MESUA	GANGANE (ANDAMAN); NAHOR(ASSAM); NAGESWAR, NAGKESAR (BENGALI);NAGESWAR (ORIYA); NAGASAMPIGI(KANNADA); CHURULI (MALAYALAM);NANGAL, NANGU (TAMIL); NAGAKESARI, (TELGU)	MES
30.	TERMINALIAPANI- CULATA	KINDAL	HONAL, HONAGALU (KANNADA); KINDAL (MARATHI); PILLAMARUDU (MALAYALAM &TAMIL); NALLAPULAGA (TELUGU)	KIN
31.	GREVILLEA ROBUSTA	A CUNN	SILVER OAK	SOA