

Notice Inviting Tender

Ref No: SFURTI/ BOLAGARH/MACHINERY-1/2023-24

Date: 31.08.2023

UNITED SPORTS ASSOCIATION at - DHALAPATHAR, Post – KALAPATHAR, Via-KALAPATHARR, Dist-KHORDHA, Odisha, Pin-754009, invites tender in a sealed cover under two bid system i.e. Technical bid & Financial Bid from Manufacturers and Authorized distributors for supply of Machinerics for establishment of Common Facility Centre for **BOLAGARH INDIGENIOUS AGARBATTI CLUSTER** on behalf of **ARATI RURAL CARE CLUSTER DEVELOPMENT TRUST (ARCCDT) (SPV)** AT- Dhalapathar, Post-Kalapathar, Via- Kalapathar, Dist- Khordha, Odisha.

Date of Commencement of tender	Last date and time of submission of tender	Date & Time for opening of Technical Bid	Cost of tender paper
01.09.2023	21.09.2023 at 05:00pm	22.09.2023 at 11:00 am	FREE

A complete set of the Bid documents containing the details of the terms and conditions may be downloaded from the website of UNITED SPORTS ASSOCIATION (www.unitedsportsassociation.in) or CENTRAL TOOL ROOM AND TRAINING CENTRE (www.cttc.gov.in) and the same can be submitted along with cost of tender paper on shape of Bank Draft. Any corrigendum/ addendum/ information related to this NIT will only be uploaded in UNITED SPORTS ASSOCIATION website (www.unitedsportsassociation.in) which will not be published in Newspapers. The authority reserves the right to accept / reject any part or all the bids without assigning any reason thereof. The authority has the right to increase/ decrease / cancel the quantity without assigning any reason thereof.

SECRETARY

UNITED SPORTS ASSOCIATION

UNITED SPORTS ASSOCIATION
At –DHALAPATHAR, MOUZA-GOPINATH PUR, Po –
KALAPATHAR, Dist. - KHORDHA, Odisha, Pin Code-754009
Website- www.unitedsportsassociation.in

NOTICE INVITING TENDER

NIT: SFURTI/ BOLAGARH/MACHINERY-1/2023-24

Name the work: To Establish: Common Facility Centre (CFC) Of Arati Rural Care Cluster Development Trust (Arccdt) (Spv) At- Dhalapathar, Po- Kalapathar, Dist-Khordha, Odisha.

Earnest money: Rs. 7,40,995/-

Last date and time of: 21.09.2023 up to 5:00 PM
Submission of bid

TENDER NOTICE

(Supply, Installation and Trial Running of the Machineries and Equipments for Arati Rural Care Cluster Development Trust (Arcddt) At- Dhalapathar, Kalapathar, Khordha, Odisha)

Sealed tenders are invited from manufacturer and authorized distributors for supply of machineries and equipment for establishment Common Facility Centre at: Dhalapathar, Khordha, Odisha, being facilitated by **United Sports Association** Gopinathpur, Dhalapathar, Khordha, Odisha-754009. Tender should be submitted in double bid system (**Technical and financial bid separately**) along with **earnest money of Rs.7,40,995/- (Rupees Seven Lakhs Fourty Thousand Nine Hundred Ninety Five only)** if bidding for all the tendered machine (**Package-1 to Package- 7**). If bidding for individual packages then following amount needs to be deposited in shape of DD as earnest money deposit.

ITEM	Amount	EMD (3% of package value)
PACKAGE 1- Processing section	9921157	2,97,635
PACKAGE 2 -WORKSHOP	366347	10,990
PACKAGE 3 - CCTV and accessories	366347	10,990
PACKAGE 4- Electrification section	3696676	1,10,900
PACKAGE 5- Bamboo Stick section	3327657	99,830
PACKAGE 6- Carbonization Section	4090881	1,22,727
PACKAGE 7- Perfume Lab section	2930780	87,923
	24699845	7,40,995

The complete tender papers in all respect should be submitted at the following address: Gate no 1, Central Tool Room Training Centre, B-36, Chandaka Industrial Area, Bhubaneswar- 751024 up to 05.00 pm of **Dt. 21/09/2023**. Tender received will be opened in the presence of working committee of the proposed common facility centre on **Dt.22/09/2023** at 11.00 am.

Tender form can be downloaded from the website of UNITED SPORTS ASSOCIATION (www.unitedsportsassociation.in) or CENTRAL TOOL ROOM AND TRAINING CENTRE (www.cttc.gov.in) on any day between **Dt.01/09/2023** to **Dt. 21/09/2023** up to 05.00 pm. The detail of works and terms & conditions are available in the tender form. Secretary **United Sports Association** reserves the right to cancel any or all the tenders without assigning any reason.

SECRETARY

UNITED SPORTS ASSOCIATION

TENDER FORM

(Supply, Installation and Trial Running of the Machineries and Equipments for Arati Rural Care Cluster Development Trust (Arcctd) At- Dhalapathar, Kalapathar, Khordha, Odisha.)

Terms and Conditions:

- 1- The minimum turnover of last 3 years (ending on 31.03.2023) of the Tendering firm should be equal to or more than **Rs.7.5 CR** and if Bidding for individual package the turn over should be minimum two times of the package value.
- 2- The Tendering firm should have minimum three-years of experience in supplying **MACHINERY OF INDUSTRIAL, AGARBATTI OR AGRO PROCESSING** items experience should be supported with necessary evidences in the form of Purchase Orders for the tendered MACHINE/ items (minimum three Purchase orders need to be furnished). Out of three Purchase orders, one P.O value should be equal to or more than Rs. 80,50,000/-(Eighty Lakhs Fifty Thousand).
- 3- Tenders must have Manufacturing Trade License in case of Manufacturer and tender specific Dealership Certificate from the manufacturer in case of Authorized Dealer and same to be submitted along with offer. **The MSME registered bidders will be exempted from EMD and Annual Turnover prior sectorial experience as per the Government rules.** The tender should be submitted in the prescribed tender format only for claiming of Exemption, bidder has to submit Valid MSME Registration whose validity should be as on opening date.
- 4- Tenderers must submit Pan Card, Audited ITR return and Balance sheet of last three years ending on 31/03/2023, GST Registration Certificate and last month's Challan of Professional Tax Return.
- 5- Tender form can be downloaded from the website of UNITED SPORTS ASSOCIATION (www.unitedsportsassociation.in) or CENTRAL TOOL ROOM AND TRAINING CENTRE (www.cttc.gov.in) on any day between **Dt. 01.09.2023** to **Dt.21.09.2023** up to 05:00 PM.
- 6- Tender form should be deposited in separate envelopes containing **Technical Bid, EMD, printed catalogs for the quoted Machines with technical Details and other documents as per point no 1 to 5 (envelope No 1) , Financial Bid consisting of all- inclusive price bid (Envelope No 2)** at following address: **GATE NO-1, CENTRAL TOOL ROOM AND TRAINING CENTRE, B-36, CHANDAKA INDUSTRIAL AREA, BHUBANESWAR-751024** on or before **05.00PM of Dt.21.09.2023**. The received tenders will be opened in presence of the Working Committee on **Dt. 22.09.2023 at 11.00am**.

- 7- The tenderers should submit their Bid in Two Covers (1) **Technical Bid** and (2) **Financial Bid**. Envelope containing Technical Bid should be super-scribed as **TECHNICAL BID** and Envelope containing Financial Bid should be super-scribed as **FINANCIAL BID**. Both the Bids should be sealed in one envelope super-scribed as Tender for “**Supply, Installation and trial running of the machinery and equipment for Arati Rural Care Cluster Development Trust (Arcddt) At-Dhalapathar, Kalapathar, Khordha, Odisha**” & should be deposited at following address: **GATE NO -1, CENTRAL TOOL ROOM AND TRAINING CENTRE, B-36, CHANDAKA INDUSTRIAL AREA, BHUBANESWAR-751024** on or before **05: 00 PM of Dt.21.09.2023**.
- 8- The Technical Bid will be opened first. If the Technical Bid is accepted in all respects and the tenderers become eligible, then the Financial Bid of technically eligible tenderers will only be opened.
- 9- The tendered firm should submit tender for the whole or package of items mentioned as per the annexure. However, preference will be given for those firms who can supply all the mentioned items. The purchaser reserves right to evaluate package wise, items wise or in total.
- 10- The Prices quoted must be on FOR basis. The tender should include GST, insurance, freight, unloading and keeping in site, installation and commissioning of equipment at destination site but should be shown separately.
- 11- If the items supplied by the successful bidder/supplier are not found as per specifications or satisfactory, the payment of whole or equivalent amount can be with held.
- 12- Affidavit of not being black listed by Govt. Of India/ Public Sector/ for which they have executed their works to be submitted along with offer.
- 13- The accepted lowest evaluated party has to enter in to an agreement with **UNITED SPORTS ASSOCIATION (IA OF BOLOGARH INDIGENOUS AGARBATTI CLUSTER)** on a Non-judicial Stamp Paper of Rs.100/-as per the prescribed Performa.

14- Scope of Work

- (a) The “Supplier” Should undertake Supply, Erection and commissioning of machineries equipments and accessories for the Common Facility Center of Bolagarh Indigenous Agarbatti Cluster on turnkey basis. The tender comprises 07 packages and the details are given in the tender documents. The Specifications given in the tender document should be strictly followed
- (b) The “Supplier” should complete the supply Erection and commissioning of machineries, equipments and its accessories for the Common Facility Center of Bolagarh Indigenous Agarbatti Cluster on turnkey basis within 90 days from the date of receipt of Purchase Order.
- (c) The machinery equipment and its accessories should be delivered and installed at Plot No-476, Dhalapathar, Kalapathar, Khordha, Odisha-754009.

15- Purchase Order Execution

- (a) The Supply, Erection and Commissioning of machineries and equipment and its accessories for the Common Facility Center of Bolagarh Indigenous Agarbatti Cluster on turnkey basis shall be completed within 90 days from the date of issue of purchase order. Delay beyond this period will attract Late Delivery Charges.
- (b) The Supply, Erection and Commissioning of machineries and equipment and its accessories for the Common Facility Center of Bolagarh Indigenous Agarbatti Cluster shall be carried out at Common Facility Center at Plot No-476, Dhalapathar, Kalapathar, Khordha, Odisha-754009.
- (c) If the contract is not completed within the stipulated time. M/s UNITED SPORTS ASSOCIATION will hold full authority to cancel the tender or take any such action that will be deemed fit to the occasion at the risk and cost of the Supplier. Such cancellation will entail forfeiture of EMD and Security Deposit.
- (d) In the event of non-performance of the contractual provisions within the stipulated time and it is found that the Supplier has not fulfilled the contractual obligations with M/s UNITED SPORTS ASSOCIATION in any manner, M/s UNITED SPORTS ASSOCIATION reserves the right to disqualify such supplier to participate in future tenders or black list the tenderer up to a maximum period of 5 years.

16- Training of Artisans

- (a) The successful tenderer should provide training to artisans on operation and maintenance of the machineries, equipments and its accessories after completion of the performance test.
- (b) The successful tenderer should provide 2 hard copies and soft copies of brochures & operation manuals for the machineries, equipments and its accessories to Implementing Agency.

17- Payment Terms

- (a) **20 % of contract value** will be paid as advance on execution of agreement against Bank Guarantee. For equivalent amount the tenderer should produce **Bank Guarantee** for the equal amount, which should be valid for a minimum period of 3 months. If necessary, the bank guarantee should be extended for the required period as requested by IA.
- (b) **60% of the contract value** will be paid, against bills, on receipt of the complete set of machinery ,equipments and its accessories as per the order in full and good condition, at the CFC site, after acceptance by the working committee and submission of CRC (consign Receipt certificate) duly signed.
(OR) Alternatively, the bidder may opt for 80% of contract value on supply of the complete set of machinery, equipment and its accessories as per the order in full and good condition, at the CFC site, after acceptance by the working committee, instead of claiming first installment of 20% as advance payment against bank guarantee.
- (c) **15% of the contract value** will be paid on successful completion of performance test and training of artisans.
- (d) **The Balance 5% and SD** shall be converted as SD for Performance Guarantee and will be released after successful completion of warranty period/ Performance test.

- (e) IA also reserves the right to recover any dues from the tenderer, which is found on later date, during audit /excess payment, after final settlement is made to them. The successful tenderer is liable to pay such dues to the IA immediately on demand, without raising any dispute/ protest.

18- Late Delivery Charge

- (a) Failure to execute the entire contract within 90 days or agreed delivery period from the date of issue of Purchase Order will attract LD charge of ½ % of order value for delay of every 15 days or part thereof to a maximum of 5% of contract value. After reaching the maximum, purchaser reserves the right to cancel the purchase order without any liability on part of the purchaser.
- (b) The response time for attending the complaint raised by IA has to be complied within 48 hours and resolution time for the same has to be within the next 48 hours. Failure to comply with the above timeline will attract a penalty of Rs.3000/- per day.

19- Performance Test

- (a) The successful tenderer shall demonstrate the performance of the machineries equipment and accessories in complete conformity with the relevant technical specifications and performance parameters as specified in the purchase order.
- (b) The performance tests should be completed within 30 days from the date of delivery of machinery equipments and all accessories.

20- Performance Guarantee

- (a) The Machineries, equipment's and its accessories are to be guaranteed for a period of 12 months from the date of completion of performance test against manufacturing defect, bad workman ship or proper performance.
- (b) During performance Guarantee period of 12 months the successful tenderer should attend any call from IA immediately, in case of any problems, related to operation or malfunctioning of the machinery, equipment's and accessories without any delay for regular operation of the machinery. The above service will be done at free of cost.
- (c) After completion of one year performance guarantee period successfully, the balance 5% and SD will be released to the supplier, after recovery of dues if any.

21- **SECRETARY, UNITED SPORTS ASSOCIATION** reserves the right to accept the bid partially/ in full or may reject any or all the bids without assigning any reason and also does not bound itself to accept the L1 Bid.

22- Timeline or Action plan for supply and setting up of machine at the CFC should be provided by the tenderer.

23- All disputes arising in connection with the contract shall be settled within the jurisdiction of the Khordha Court only.

24- Security deposit of 3% of the contract value to be deposited in shape of DD or BG valid for 14 months (60 days beyond the warranty period) or transferred through RTGS within 7 days of award of contract. Same shall be returned after successful completion of Warranty period.

25- Warranty period of 1 (one) year with spares of machinery shall be provided along with three months operational support.

Declaration:

I do hereby agree to a bid by all the terms and conditions mentioned above.

(Signature of the authorized person/ Proprietor Name

Designation:

Name of firm:

Phone/ Mob No:

Seal of the firm

TENDER FORM

(Supply of machinery and equipment for BOLOGARH INDIGENOUS AGARBATTI CLUSTER at
DHALAPATHAR, KALAPATHAR, KHORDHA, Odisha)

Technical Bid: Part-1 Description of Work

Check List to be submitted

Sl. No	Particulars	Annexure	Page No
01	Tender Document	I	
02	Money Receipt/Demand Draft for tender Document	II	
03.	Manufacturing Trade License in case of Manufacturer	III	
04	Dealership Certificate in case of Authorized Dealer	IV	
05	Registration Certificate of GST	V	
06	Last Month Challan of GST	VI	
07	Pan Card	VII	
08	Affidavit (Not Black listed)	VIII	
09	Turn Over (Certified by Chartered Accountant)	IX	
10	Balance Sheet for last 3 Financial years (2020-21, 2021-22 and 2022-23)	X	
11	Copies of Income Tax Returns (AY 2021-22, AY 2022-23 and AY 2023-24)	XI	
12	Minimum Three Years Past Experience in supply of machinery and equipment items and necessary evidence in the form of Invoice/ Purchase Order need to be furnished	XII	
13	Timeline or Action plan for supply of machinery and equipment	XIII	

Signature of Tenderer

PACKAGE-1
PROCESSING SECTION

SR.NO.	MACHINE	QUANTITY	SPECIFICATION
1	HIGH SPEED AGARBATTI MACHINE	1	Minimum Machine Speed: 300-350 stroke per minute Motor Power: 2 HP, 3 Phase Drive: 20kg per hr Complete with Counting Meter and Stopper Plate, All installation and commissioning, On turnkey basis.
2	AUTOMATIC AGARBATTI MACHINE	28	Minimum Machine Speed: 200 strokes per minute, Motor Power with Drive: .75 HP, Oil Cooling System for Piston, All installation and commissioning, On turnkey basis.
3	Premix Powder Blending Machine	1	Minimum power : 2 HP, Minimum Production Capacity : 300-500 Kgs. within 30 min.-60 min. All installation and commissioning, On turnkey basis.
4	MASALA BLENDING MACHINE	2	Phase : 3 Phase, Minimum Motor Power : 2 HP, Body Material : M.S., Minimum Capacity 100kg per 30 Min. All installation and commissioning, On turnkey basis.
5	DRYER CHAMBER (HEAT PUMP + DRYER)	1+4	Minimum Motor power : 2 HP, Minimum Dryer Capacity: 40 kg per hour, Chamber size minimum: 3' X 8' x 8', Drier for Incense Sticks- 4 No., minimum (Heat chamber*1) (air dryer*4) With Air Flow Balancing Feature, All installation and commissioning, On turnkey basis.
6	PADDLE MACHINE	91	Minimum Length of Incense: 8" & 9", Minimum Production: 8kg to 10 kg per day (Depending on the Operator) Hand Operated Manual Machine would not require any Power, On turnkey basis.
7	Trolley Tray stool and accessories	20	Minimum 17 pcs 150 kg capacity, Wheel Barrow having Double Wheel 3 pcs 150 kg capacity hydraulic trolley Wheel Barrow having Double Wheel Minimum 35 pcs solid Tray accessories 40 capacity On turnkey basis.
8	Samvrani Cup Machine	1	Minimum Machine speed 7000 to 8000 Nos. per 8 Hours Minimum Motor power : 1 HP, 1 Phase Hydraulic Operating capacity minimum 20 Tons Hydraulic Oil: 25 Ltrs. All installation and commissioning, On turnkey basis.
9	Automatic Dry Dhoop Making Machine	1	Minimum Machine Speed 120 pc per minute, Minimum Motor Power: 2 HP, Minimum Dhoop Batti Size: Dia 12mm Length 1 inch, Minimum Dia 8mm Length 2 inch, All installation and commissioning, On turn key basic ready to use.
10	Digital Platform Weighing Machine	10	Digital Platform Weighing Machine Minimum Capacity: 150 kgs. On turnkey basis.
11	Agarbatti Bundling Machine	1	Production upto minimum 1200 tying per hour, Electric control- PLC Based Minimum Motor power: 1 HP Max. Bundle Dia: 100mm, All installation and commissioning, On turnkey basis.

PACKAGE-2
WORKSHOP SECTION

1	ARC Welding Machine	1	ARC Welding Machine Inverter Based/ IGBT Based, Single Phase Minimum current Capacity: 300 AMP, All installation and commissioning, On turnkey basis.
2	Pillar Drill Machine	3	Precision quality, PILLAR DRILLING MACHINE, complete with std. accessories and with electrical Machine having cap. of Drilling in C.I./M.S. 3/4", Geared type with 8nos.spindle speeds, All installation and commissioning, On turnkey basis.
3	Cut off Machine	1	Cut Off Machine, Having Capacity: Minimum 14inch.
4	Angle Grinder	1	Capacity : minimum Wheel Dia 100mm (4"),Hole Dia M10 x1.5, Spindle Thread Power Input: 600W, No Load Speed: 11,500/min : 230V & 12,000/min : 110V,Overall Length: 254mm (10")Standard Accessories: Side Handle, Wrench
5	Hand Drilling Machine	1	Hand Drilling Machine Minimum Capacity : 6mm, Voltage: 220V
6	Bench Vice	2	6" Bench Vice, All installation and commissioning.
7	Hand File	2	2 Set of Hand Files consisting of Flat File, Round File, Square File & triangular File.
8	Hammer And All accessories For workshop	5	Ball Point Hammer- minimum 1 Kg, Sledge hammer and mallet.
9	Bench Grinding Machine	1	Heavy duty, C.I. Body, Double ended, BENCH GRINDER MACHINE duly fitted with 1HP motor, AC/440V. 3000RPM, Rotary Switch, a pair of Grinding Wheels size: 8x1x5/8 (One rough-One smooth) & a pair of C.I. Brackets as tool rests, All installation and commissioning.

PACKAGE-3
CCTV and accessories

1	CCTV	LS	32 channel NVR , 12 bullet 16 MP(50M), 13 dome camera 6 MP(30M) , Rack, POE Switch 16 port 2 nos, BM/DC-70 wire as per metered, Wi-Fi router, 50 inch LCD (3 Qty), 24 TB HDD and all other accessories, On turnkey basis.
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PACKAGE-4

ELECTRIFICATION

1	DG GENETOR 82.5KVa	1	Minimum 1417 Kg, Fuel Consumption.13.6 Litre/Hr., Lube Oil Capacity Approx.11lit, No Of Cylinders Configuration. :4,In line, Oil Change Period:100hrsor1year, Compression Ration:16.5 0.5 1,Coolant Capacity Approx.:(L). 15.5Governing Class Type.AO. DG Size (mm).2800*1200, Battery Capacity (Ah) 90 AH, Bhp.104.56, Dimension. 2800 x 1200 x 1400 mm, Power Rating kVA.82.5kva, Electric Power. 66 KW, Rated Current. 114.78 Amp, Fuel Tank Capacity. 190 Litre, System DC Voltage.12v, Displacement Ltr.3.84, all accessories for installation and commissioning including civil work, On turnkey basis.
2	Industrial shade (4600 SQFT) and Training hall, Processing centre, Value addition centre, Ware house, Raw material bank, Perfume lab (4400 SQFT) wiring ELECTRIFICATION	LS	(General appliances light, fan plug point, exhaust fan, fire safety alarm, etc.) MINIMUM 300 POINT WIRING WITH MATERIAL ,LIGHT FOR INDUSTRIAL SHADE 4600 SQ FEET-24 points ,LIGHT FOR BUILDING 4400 SQ FEET- 35 points FAN REQUIRMENT FOR INDUSTRIAL shade 12FAN REQUIRMENT FOR BUILDING FAN 24, Earthing, AC 4PC (1.5) TON for training hall and perfume lab, all installation and commissioning with civil works, On turnkey basis.
3	PANNEL BOARD FL. MOUNT (INDOOR) WITH BUSBAR INDICATER, VOLT METER, AMMETER WITH ACESORIES AS BELOW	LS	i) MCCB 200A TP WITH HANDLE AND OTHER ASY ii)MCCB 16A TP 2Nos iii)MCCB 40A TP 2Nos iv)MCB 40A DP 3Nos v)MCB 32A DP 3Nos vi) WIRING AS PER REQUIRECABLE TRAYS AS PER REQUIRE WITH ALUMINIUM CABLE All installation and commissioning along civil work, On turnkey basic ready to use
4	CHARCOAL UNIT	LS	i) MCB 40A TP 1 NOS II) MCB 25ATP 2 NOS III) MCB 10A TP 2 NOS IV) DB FOR MCB 1NOS WIRING AS PER REQUIRED All installation and commissioning along civil work
5	SAW DUST UNIT	LS	i) MCB 40A TP 1 NOS II) MCB 32ATP 2 NOS III) DB FOR MCB 1NOS IV) WIRING AS PER REQUIRED, All installation and commissioning along civil work
6	BAMBOO UNIT	LS	I)MCB 16 A TP 15 NOS II) DB FOR MCB III) As per required All installation and commissioning along civil work
7	PERFUME UNIT	LS	I)DB FOR MCB II)WIRING AS PERREQUIRED MENT All installation and commissioning along civil work
8	WORKSHOP	LS	I)MCB 16A TP 1 NOS II)MCB 10TP 9 NOS III) DB FOR MCB IV)WIRING AS PER REQUIRMENT All installation and commissioning along civil work
9	VALUE ADDITION UNIT	LS	MCB 10A TP 6 NOS DB FORMCB WIRING AS PERREQUIRMENT All installation and commissioning along civil work
10	PROCESSING CENTRE	LS	MCB 16 ATP 25 NOS DB FORMCB WIRING AS PER REQUIRMENT All installation and commissioning along civil work
11	EARTH PIT	LS	4 NOS

PACKAGE-5
BAMBOO STICK SECTION

SR.NO.	MACHINE	QUANTITY	SPECIFICATION
1	Bamboo Slicer/Sliver Two Stroke	4	Slicing machine feeding speed: 50 m/min, Motor total power: 1.5 KW, shape size: 540* 570* 960mm, weight: 120 kgs, output: one day 8 hours can do 5 Tons bamboo, All installation and commissioning, On turnkey basis.
2	Cross Cutting Machine	1	Bamboo Cross Cut Machine Motor Minimum power : 1 kw, MinimumWeight:53kg, Bladediameter:400mm, ShaftMinimumspeed:3700r/min, Output:13-15 ton per day (8hours), All installation and commissioning, On turnkey basis.
3	Bamboo Chain Splitter Machine	1	Bamboo Splitting Machine Motor Minimum power : 5 kw, Minimum Weight : 650 kg, Minimum Dimensions : 4100 * 800* 1100 mm, Output : 6-7 ton per day (8 hours), All installation and commissioning, All installation and commissioning, On turnkey basis.
4	Manual Bamboo Splitter Machine	3	Manual Bamboo Splitter Machine Manual hand operated bamboo splitter With 3 pcs. Of grill size to split bamboo Manually with hand, All installation and commissioning, On turnkey basis.
5	Bamboo Round Stick Making M/c	4	Round stick machine Minimum motor power: 5 kw, knife shaft speed.:5400 r/min, Feeding Minimum shape size: 1630 *1030 *1100 mm, weight: 650 kg, output: one day 8 hours can do 0.95 Tons bamboo, All installation and commissioning, On turnkey basis.
6	Heat treatment arrangement with quenching facility	1	Stick Treatment Tank Minimum Size: 8*4*2 Ft, Stainless Steel tank, All installation and commissioning, On turnkey basis.
7	Polishing Machine	1+1	Polishing machine Minimum Motor power: 1.5 kw, Reciprocating number: 160 times/min, Processing Minimum length: 210-550 mm, Minimum Dimension: 3900*800*1100 mm, Minimum Weight: 220 kg. Length polishing 1 + End polishing 1, All installation and commissioning, On turnkey basis.
8	Stick Sizing Machine	2	Stick Sizing Machine Minimum Motor power : 1.5 kw, Weight : 65 kg, Minimum size : 1550*720*930 mm, Output : can be saw blade 355 diameter, All installation and commissioning, On turnkey basis.
9	Knife Surface Grinder Machine	1	Knife Grinding Machine grinding wheel speed: 2800 RPM, Minimum motor power: 0.55 kw, Minimum shape size: 300 * 300 * 78 mm, Minimum weight: 40 kg. All installation and commissioning, On turnkey basis.

PACKAGE-6

CARBONISATION SECTION

1	Rice husk carbonation furnace	1	Minimum of Capacity(kg/h) - 100kg/hr, Voltage(V) – 380, Minimum Diameter (m) - 1.45, Minimum Height(m) - 1.85, Minimum Power(KW) - 15-22(splitter with minimum power of 5 HP motor), Wood chipper with minimum 15Hp Motor, pulveriser 10 Hp minimum power, Screw conveyor with minimum power of 2 HP motor, Cooling line 2 HP motor, Scrubber, with syn-gas burner along with bio oil collector and cooling tower of minimum 2 Hp motor), Cooling discharging machine, PLC automatic control cabinet, with carbonized colour display, All installation and commissioning, On turnkey basis.
2	Dust collector	1	Minimum Surface : 125 m2Minimum Filtration Rate : 1.6mt/hour Number of minimum filter elements : 100pcsMinimum Number of dust shake valves:8 pcs 1, 5"Minimum size of Filter elements dimensions : Ø160 X 2500mm,Fun:12.50 m2/h,Timer: 24 v DC Minimum Size/Dimension- 3710 mm x 1860 mm x 7760 mm. All installation and commissioning, On turnkey basis.
3	Shiver	1	Material : 201, 304 Or 316 Stainless Steel Two Motors : MVE-300-15-0.15KW Discharge Outlets: 3 PCSHigh Light: vibrating sieve separator, vibrating sieve machine, Voltage: 3Phase,440V,50HZMinimum Dimension: 3000*700*700mmMinimum Thickness Of Screen Mesh: 1.5mm. All installation and commissioning, On turnkey basis.
4	Pelleting machine	1	Capacity(wood sawdust, biomass) 250 KG/H, Final Pellet 6-12mm, Weight(KG) 1500-2000 KG/DAY, All installation and commissioning.
5	Impact pulveriser with dust collector	1	REQUIRED HP Minimum : 25-35, Minimum RPM : 2300-2500, Minimum size REQUIRED SPACE IN FEET : 10X10X10 FEET, Minimum PRODUCTION CAPACITY : 200kg/hr100 mesh fine powder. All installation and commissioning, On turnkey basis.
6	Wood Saw Dust Making Machine	1	Wooden Saw Dust Making Machine Complete conveyor system of 10ft*24 inch, Main Minimum Motor Power: 5HP, Supporting Motor Power: 3HP, Minimum Capacity: 500kg/h, All installation and commissioning, On turnkey basis.
7	SAW DUST Flash Dryer POWDER MAKING MACHINE	1	Saw Dust Flash Dryer Powder Making machine Minimum Production Capacity : 250kg/hr,2hp motor Material used : Mild Steel Made Cyclone Drying Pipe, Minimum height : 17 Feet, Cyclone Minimum Thickness : 3 mm, Rotary Air Lock Thickness : 16 mm, Furnace Mouth Thickness : 5 mm, All installation and commissioning, On turnkey basis.

PACKAGE-7
Perfume Lab Section

1	Perfume lab glass wares	Ls	As per requirement for 25 perfumes, 25 ltrs/day capacity.
2	Perfume lab machinery equipments	Ls	Like oven, Stirrer, Centrifuge, Digital balance, Precision Balance, Air exhauster (chimney type) etc. As per requirement for 25 ltrs/day capacity. Lab fridge to store chemicals, All installation and commissioning.
3	Perfume lab glass racks for stocking chemicals	Ls	As per requirement for 25 categories of perfumes. Around 200 feet total length and 10 inch in width. All installation and commissioning.
4	Perfume lab running work desk with marble top	Ls	As per requirement for placing all equipment and apparatus for perfume work. Around 80 feet cupboard with marble top and slider drawer. All installation and commissioning.
5	Perfume lab centre table for working with water facility	Ls	As per requirement for setting of apparatus and chimney. Around 8 feet x 6 feet with inbuilt drawer and marble top. All installation and commissioning.
6	Perfume lab furniture and fixtures	Ls	8 no of high level chairs for working on centre table and marble desk
7	Fragrance consultancy	Ls	25 formulations for Agarbatti fragrance. Around 300 chemicals as per required to formulate above 25 fragrance.