



ज्वार अनुसंधान निदेशालय

**DIRECTORATE OF SORGHUM RESEARCH**

(भारतीय कृषि अनुसंधान परिषद/Indian Council of Agricultural Research )

राजेन्द्रनगर, हैदराबाद/Rajendranagar, Hyderabad-500030

Phone: 20025599, 20020077, Fax no.24016378



No. 4(533)Admn/08

Dt. 17<sup>th</sup> April, 2010

**TENDER NOTICE**

Sealed tenders are invited on behalf of Director, DSR, Hyderabad from reputed and registered service providing contractors who possess the following documents for outsourcing the works given in Schedule no. 1 of this notification.

1. Registration with Labour Commissioner
2. Registration with ESI & EPF office with code nos.
3. Registration with Service tax
4. Income tax clearance / PAN card.

The estimated cost is worked out on the basis of minimum man power requirement, provisions of Minimum Wage Act and statutory liabilities. Hence, the rate quoted below the estimated cost may not be acceptable to us. It is also to mention that the Contractor has to fulfill all the terms and conditions as applicable to the Labour Act, ESI / EPF / Service Tax / IT, etc., and DSR will not have any responsibility on this account. The Contractor will be the employer for the labourers who are deployed for undertaking the works given in Schedule – 1 and DSR will not have any Employee - Employer relationship with the workers.

In case the above terms and conditions are acceptable, the Schedule no. 1 may be downloaded and submitted to this office duly quoting the rates for each item in a sealed cover as your tender addressed to the Director, DSR, Hyderabad along with an EMD of Rs.5,000=00 in the form of DD drawn in favour of “ICAR Unit DSR, Hyderabad” for our consideration. This contract is for a period of 1 year initially and liable to be extended for one more year subject to satisfactory services.

The decision of the Director, DSR will be the final and binding on the Contractor.

**Time and date of receipt of tenders: 30.04.2010 / 1100 hours**

**Time and date of opening of tenders: 30.04.2010 / 1400 hours**

**The following documents to be enclosed for verification:**

1. Copy of the registration of the firm
2. Copy of the license
3. Copy of the Service Tax Registration
4. Copy of the Registration of the ESI
5. Copy of the PAN No. allowed by Income Tax authorities
6. List of the Clients
7. Statement showing the breakup of the rates quoted

**[G Krishna]  
Administrative Officer**

P.T.O

## Terms and Conditions:-

- 1) This Contract will be commencing from the date of signing the agreement.
- 2) This Contract is liable to be withdrawn at any time without any notice.
- 3) The item of works shown in the Schedule – I from S.No. 1 to 40 are HIGHLY SKILLED / SKILLED nature of works and will be awarded on “Work Contract” basis only and will have to be carried out in consultation with the respective in-charges. Hence, the contractors should ensure that the educated persons are engaged for attending the work.
- 4) The Seasonal nature of the work has to be given top priority.
- 5) The workers deployed by the contractor will not have any employee / employer relation with Director or any staff of this Directorate.
- 6) Workers are to be paid strictly as per the minimum wage act circulated by the ALC(C) Vidyanagar, Hyderabad.
- 7) The contractor will be the employer for the man power deployed at this Directorate and, accordingly, the contractor needs to complete all legal formalities.
- 8) The workers are to be issued with identify card and also ESI card.
- 9) The workers have to display Identify card as and when they enter into our Campus.
- 10) This Directorate will not be responsible for any Labour dispute.
- 11) The ‘work contract’ is given and will be carried out in our campus, DSR will be the Principal employer. Accordingly, the payments made to the workers will be watched over by the designated Officers, DSR.
- 12) The payment to the workers is to be made on or before 7<sup>th</sup> of the following month as per the labour law.
- 13) The contractor has to furnish a security of Rs.2,00,000/- in the form of Bank guarantee with a validity for a period for ONE year.
- 14) The contractor needs to enter into an agreement on receipt of this contract.
- 15) The rates quoted by the contractor are inclusive of EPF, ESI, Service Tax and Service Charges (benefit of the contractor).
- 16) Proof of payment of statutory obligations such as EPF, ESI along with a copy of relevant form indicating details of amount deposited against each individual in all categories and also service tax and any other applicable tax needs to be submitted.
- 17) For any clarifications, the Director, DSR and Dr. HS Talwar may be contacted.
- 18) Director, DSR has the right to accept or reject the tenders without assigning any reason.

- 19) Since the different works as mentioned in Schedule - I will be awarded on 'Work Contract' basis only, the workers deployed by the contract do not have any right to demand / claim their wages and statutory / obligations directly with this Director.
- 20) Contractor is responsible for payment of EPF, ESI of the workers deployed by him and service tax as applicable.

S No	Work tile	work description	Nature of work	Total Quantity of work to be available during 2010-11	Approximate quantum of expected work ( month)
	A	B	C	D	E
1	Analysis of plant, grain juice quality samples of baggase and stalk	Processing, preparation of plant and food sample chemical analysis. Biomass compositional analyses, proximate analysis in plant samples (estimation of total sugars, sucrose, reducing sugars ). Grain quality analysis (Starch/ protein analysis -quality & quantity). Food quality analysis (amylose, uric acid, protein digestibility, rancidity, dietary fiber etc)	Highly skilled	3600 plant samples + 2100 grain samples +1200 baggase samples + 6000 stalk samples	200 plant or 250 grain samples or 150 baggase samples Or 200 stalk samples
2	Assistance for conducting pot experiment	Pot experiments, soil filling, watering Maintenance of pot cultures, filling pots, cleaning after harvest, watering plants, spraying weakly intervals.	Highly skilled	17200 pots	200 pots exp
3	Assistance for Library work	Issue of magazines and books, entry of books/ magazines in library register, processing library bills.	skilled	Entry of 240 magazines/books, Issue of 240-300 magazines/books, Processing 24 bills	Entry of 20 magazines/books, Issuing 20-30 books/magazines, Processing two bills /month
4	Assistance in conducting salinity screening in pots and microplots	Maintenance of required salinity levels in pots and microplots and assistance in growing plants and recording observations on growth parameter.	Highly skilled	200 pots and 12 microplots (2m x 3m x 1.5) (312 days).	200 pots and 12 microplots (2m x 3m x 1.5) (26 days).
5	Assistance in purchase and processing for special projects	Follow up of the processing of files, issue of orders, sanction order, preparation of bills, Stock entry, store distribution to NAIP and other special projects	Highly Skilled	250 files, issue of 200 orders, 200 sanction orders and preparation of bills, Stock entry and distribution from 500 to 600	25 files, issue of 20 orders, 20 sanction order, preparation of bills, Stock entry, store distribution, all these works ranging from 50 to 100
6	Assistance in recording Pre and Post harvest data	Crop raising, routine data collections, harvesting & threshing, drying of plot collection data on yield attributes- biomass, cane yield, panicle characters, 100 grain count, grain and fodder yield,	Highly skilled	220000 plots (2 rows plot of 4 meters)	5000 plots (2 rows plot of 4 meters)
7	Assistance to jobs related to IT applications at DSR	Data feeding(charcoal rot, AICSIP etc) and analysis and assisting in ARIS Cell, web data conversion, DSR web-site.	Highly skilled	maintenance of 45 computers, NRCS server, NRCS website (312 days)	Maintenance of 45 computers, NRCS server, NRCS website (26 days)
8	Assisting in data collections, enumeration, data entry	Collection of data from trials on biotic constraints (90 schedules /month)	Highly Skilled	approx 2500 trials	100 trials
9	Assisting in food products preparation	Assisting in roti machine and biscuit machine operation, Assisting in semi processed products preparation and packing of the product for sale, Assisting in purchasing of raw material for product preparation	Highly skilled	preparation of atleast 500 roties everyday+ 200 biscuits everyday (26 days work/pm)	preparation of atleast 500 roties everyday+ 200 biscuits everyday (312 days work in whole year)
10	Building and toilet cleaning	Sweeping, cleaning & scavenging of approach road , cleaning of toilets, messenger help, delivery of letters, etc.	skilled	10000 sq. ft. area in Building, 2000 sq.ft. road cleaning of 3 toilets and misc. work (312 days)	2500 sq. ft. area in Building, 500 sq.ft. road cleaning of 3 toilets and misc. work (26 days)

11	Clerical assistance to Admonstration (AO/AFAO/DDO)	Making entries daily, AICSIP work, statement of expenditure, audit utilization certificate and other works assigned by AF&AO; Skill level =H. Skilled (As given by AF&AO) Or Taking dictation, making entries in the Diary & dispatch register, attending all secretarial works during the absence of regular PA. or Passing of Med. Bills, making of cont. bills, issue of minimum medical ref./credit letter in a month.	Highly Skilled	Making 3600 entries , 2400 bill checking or 1000 page dictation, 1000 entries, receiving and distribution of 1000 letters or 1200 medical bills,3000 contingency bill, 2000 credit letters	150 entries daily in the register and 100 bill verification. Or 100 page dictation, 100 entries, receiving and distribution of 100 letters or 100 Medical Bills, 240 cont. bills, 100 medical ref./credit letters
12	Culture of aphids, coccinellids and syrphids/ Culture of Stem borer	Assistance in culturing and maintainig of aphids in caged plants for studying transgenerational plasticity; Culturing, maintaining and collecting data for intraguild predation studies. Or Assistance in culturing of stem borer neonates for artificial infestation during Kharif, Rabi 2010-11. Artificial diet preparation, charging of diet with eggs, culturing larvae, collection of adults and transfer to oviposition chamber, egg collection, preparation of bazooka for field infestation of neonates.	Highly Skilled.	1. Culturing aphid in 500 caged plants. 2. Culturing predators and parasitoids in 500 jars or Culturing of 25,20,000 stem borer neonates	1.aphids in 100 caged plant 2. Parasitoids in 100 jars. Or 2,10,000 stem borer neonates.
13	Data entry and analysis	Entry of AICSIP Agronomy data in computer for statistical analysis.	Highly skilled	120000 data sheets	5000 data sheets
14	data entry and enumeration	Field survey and enumeration	Highly skilled	200 data prints	100 prints
15	DNA isolation	Plant analysis- DNA isolation and PCR	Highly skilled	DNA -13000 samples + PCR-128000 samples	DNA isoaltion- samples 200 + PCR-2000 samples
16	Driving and general assistance	Driving tractors in the field preparation, levelling, oustation driving for VIPs and DSR staff for daily routine duties	Highly skilled	Driving and general assistance duties (312 days)	Driving and general assistance duties (26 days)
17	Dus characterization	Taking out samples of 53 new varieties, 94 example varieties, 10 reference varieties and 1 candidate variety from seedling to harvest to seed trait analysis after threshing to aid in documentation of 33 DUS traits in 4 replications in an area of 1.5 acres. The observation on seedling, growth, floral and seed traits, excission of floral parts, recording their quantitative and qualitative attributes as per DUS guidelines, including verification with RHS colour charts.	Highly Skilled	4800 samples	200 samples for DUS characterization
18	Emasculation/ Crossing work and/or selfing	Emasculation/crossing/Selfing	Highly skilled	800,000 selfing, 64000 crossing and 3000 emasculation.	Crossing (20000)/selfing (200000)/emasculation (750)
19	Field emergence studies and lab analysis	Seed germination and seedling vigour data recording under the project 'Seed longevity'. 3. Field emergence evaluations.	Highly skilled	2400 (300 genotypes in 4 reps in both lab and field)	200 samples (25 genotypes in 4 replications in both field and lab)
20	Field survey and data enumeration, data entry	Collection of data from village/taluk/district /city Schedule of 20 pages information independently and scientifically - above 250 kms distance (30 schedules /month)	Highly Skilled	approx 3000 shedules	90 shedules
21	Food processing unit jobs	Sample preparation for nutritive analysis, development of new recipe from jowar semi processed products, assisting in semi processed products preparation, Assessment of chemical and microbial parameters in jowar products during storage period.	Highly skilled	16 receipies per months + 25 samples preparation for Nutritive analysis+shelf life testing parameters ( 26 days work)	168 receipies per months + 300 samples preparation for Nutritive analysis+shelf life testing parameters ( 312 days work)

22	Gardening	Watering of trees / seedling / mulching, Pit making, secondary jungle removal, stump removal & clearing , removal of weeds on field bunds, borders	Highly skilled	Watering of 100 trees twice a week, making about 100 pits, cleaning of fields from weed, stumps etc and miscellaneous jobs(300 days)	Watering of 50 trees twice a week, making about 50 pits, cleaning of fields from weed, stumps, miscellaneous jobs. (25 days)
23	Genotyping work	polymorphsim test between panel of parents, fragment analysis with polymorphic markers, data scoring and tabulation	Highly skilled	Markers-1000, genotyping with 250 markers	Polymorphism test with 150 markers, genotyping with 25 markers
24	Glassware/plastic ware cleaning	Physical and chemical processing of glassware and plastic ware cleaning, drying and arranging in racks and lab cleaning. Cleaning of desks, work-spaces and other furniture in laboratory, general cleaning of laboratory. Keeping records of chemical use, receipt of chemicals and bills, and other miscellaneous jobs	Skilled	Approx. 40000 big +4000 small + 90000 small sized glasswares in the year.	Cleaning of Approx. 1200 big +1200 small + 3000 small sized glass ware every month.
25	Grain hardness testing	Grain hardness testing	Highly skilled	2200 samples	150 samples
26	Grain quality analysis	Grain quality analysis ( Starch/protein digestibility) strach quality/ quantity grain hardness	Highly Skilled	6000 grain samples	250 grain sample
27	Handling of storage pests	Maintenace of storage insects , infestation of insects in experimental samples, sampleing, counts of insects at periodic intervals.	Highly Skilled	studies on 4800 samples	studies on 400 samples
28	Maintenance of Transgenic glasshouses and assistance in conducting -pot exp	Cleaning filters, floor, tanks and maintaining the control and Maintenance of pot cultures, filling pots, cleaning after harvest, watering plants, spraying weakly	Highly Skilled	Maintenance of 3 glass houses with a floor space of 1200 sft each and filters (600 sft), 6 Tanks of floor space of 1200 sft, Fan and\ pad systems (4) (312 days)	Maintenance of 1 glass houses with a floor space of 1200 sft each and filters (600 sft), 6 tanks of floor space of 1200 sft, Fan and\ pad systems (4) (26 days)
29	Plumbing Jobs	Regular maintenance of water pipe line, drainage line, plumbing of water to the tank , Cleaning of tank ,Assisting the Electrician	Highly Skilled	Regular maintenance of 2000 meter water + drainage pipe line., Tank Filling two times in a day, Cleaning of tank weekly, Assisting the Electrician (300 days)	Regular maintenance of 2000 meter water+ drainage pipe line. Tank Filling two times in a day, Cleaning of tank weekly, Assisting the Electrician(25 days)
30	Processing of stover and fodder samples-	Drying and weighing, chopping and grinding the samples into powder using grinding machine and packeting, set-up the samples for quality analysis in lab.	semi-skilled	7500 samples	150 samples
31	Roti and snacks preparation	Cleaning, processing of grains, Preparation of sorghum rot i/ lunches, operation of roti machine, preparation of sorghum snacks (laddu, maruku, chaklu etc)	Skilled	4800 kg grain cleaning, preparation of 36000 roti, 3600 lunches, & 600 kg snacks	200 kg grain cleaning, preparation of 1500 roti, 150 lunches, 25 kg snacks
32	Screening of samples by microscopy for Apomixes	fixing, excision and clearing or staining of embryo sacs, reproductive tissues, observation and processing of slides, sectioning, photography and annotation	highly skilled	15000 embry sacs (3000 slides)	1250 embryosacs or 250 slides per month

33	Sectorial assistance to NAIP-millet coordination cell	Filling, documentation, compiling, maintenance of all records related to NAIP project, liaisoning with finance and administration units of institute and any other duty assigned by NAIP-millet CPI 2. Maintaining and managing all incoming & outgoing official correspondence with consortium partners, routing correspondence, chronological file/ guard file/ other folders & book keeping and stock . 3. Maintenance of the MIS and other databases and systems of NAIP.	Highly skilled	Assist the incharge in coordination, compilation and filing of all reports from 7 Associate scientists from NRCS and other 3 partner institutions, PIU, NAIP for all (312 days)	Assist the incharge in coordination, compilation and filing of all reports from 7 Associate scientists from NRCS and other 3 partner institutions, PIU, NAIP for all (26 days)
34	Sectorial assistance to PME cell	Sectorial Assistance to PME cell: Filling, documentation, compiling, maintenance of all records related to project management, PIMS-ICAR, liaisoning with finance and administration units of institute and any other duty assigned by PME cell	Highly skilled	Assist the incharge in coordination, compilation and filing of all reports from 38 scientists. (300 days in whole year)	Assist the incharge in coordination, compilation and filing of all reports from 38 scientists. (25 days)
35	seed multiplication at farmers field	1. Rougueing in Seed multiplication plots in 13 isolations of 4 Acres each, Seed harvesting, processing, grading and bagging	Highly Skilled	seed multiplication in 48 acres	Seed multiplication in 8 acres
36	seed multiplication of progenies, RILS, parents, genetic stocks etc	Selfing, crossing, seed increase and advancing generations of sweet sorghum progenies of most promising hybrids (39 Nos.), Seed increase of 240+ crosses made in kharif including selfing in three replications each in an area of 2 acres. Or Increase of seed RILS, parents, genetic stocks, segregating material during Kharif and Rabi season.	Highly Skilled	Seed increase of 240 crosses or 1500 RILS, 240 parents and genetic stocks	seed increase of 40 crosses Or 120 RILS, 20 parents and 20 genetic stock
37	Seed packeting/ Maintenance/ record keeping	Seed prepration for sowing/storage/ distribution/ exchange/ assisting in record keeping	Highly skilled	220000 packets	8000 packets
38	Shoot fly rearing	Sample collection, seedling raising, innoculation etc.	Highly Skilled	Raising 24000 seedlings	Raising 2000 seedlings
39	Trichome work	Collection of leaf samples, fixing, microscopy and processing Microscopic work on trichome analysis- trichome morphology and counting of adaxial and abaxial trichomes from sorghum tissues.	Highly Skilled	5000 samples	250 samples
40	Plant volatile extraction	Sorghum volatile collection of 170 samples	Highly skilled	170 samples	12 samples of volatile collection