



# GAZE THROUGH THE YEAR PASSÉ

(October 2021 - September 2022)



**भाकृअनुप-केन्द्रीय शुष्क क्षेत्र अनुसंधान संस्थान**

(आई.एस.ओ. 9001 : 2015)

**जोधपुर 342 003 (भारत)**

**ICAR-Central Arid Zone Research Institute**

(ISO 9001 : 2015)

**Jodhpur 342 003 (India)**

## Research Highlights

- From 2-ha IFS model for partially irrigated condition, net returns of Rs. 1,82,168 were realized in the second year of establishment with a B:C ratio of 4.1.
- Water harvesting based IFS system in 3.0 ha area at Bikaner provided Rs.1,18,725 more net returns compared to arable crops alone.
- Integrated farming system comprising of fruits, vegetable, crops, agroforestry trees and livestock gave 3.59 times higher net returns over conventional farming system at Pali.
- With organo-mineral fertilizer of potassium, in multi-location trials, yields of sugarcane, potato, wheat, mustard, mung bean, pearl millet, etc. were at par or better than muriate of potash.
- With application of 80 and 120 kg N ha<sup>-1</sup> in Bikaner 1.5- and 1.8-times higher seed yield of mustard obtained with 1.4- and 1.7-times more benefit cost ratio, respectively over 40 kg N ha<sup>-1</sup>.
- In Jaisalmer conditions, sowing of cumin in 3<sup>rd</sup> week of Nov. produced highest seed yield (607 kg ha<sup>-1</sup>) followed by sowing in 2<sup>nd</sup> week of Dec (409 kg ha<sup>-1</sup>) and 1<sup>st</sup> week of Nov (373 kg ha<sup>-1</sup>).
- Sowing of taramira crop by Sept-end gave more yield (950 kg ha<sup>-1</sup>) compared to late sowing in Jaisalmer conditions.
- Over 28,151 kg truthfully labelled seed of different varieties of pulses, seed spices, oilseeds and grasses were produced in addition to nucleus, breeder and foundation seed production. Total 54,391 seedlings of trees and fruits were sold.
- Three entries of moth bean have been promoted to AVT-II, two to AVT-I, while one entry of clusterbean was promoted to AVT-I.
- Five single cross hybrids of pearl millet are being tested in Initial Hybrid Trial (Early).
- Cumin germplasm CZC 94 has been registered with NBPGR as unique germplasm for earliness and two entries of cumin are in CVT conducted by AICRP on Spices.
- Staggered crop regulation from 2<sup>nd</sup> week of June to September can provide pomegranate fruits for four months (November last week to March) compared to only two months otherwise.
- Minimum inflorescence in henna was recorded with spray of 250 and 500 ppm GA<sub>3</sub>, while spray of GA<sub>3</sub> (125-1000 ppm) and cycocel (250-1000 ppm) increased lawsone content compared to control.
- Use of thermocol balls in combination (2 mm and 4 mm) reduced open area from 21.5 to 1.87% which reduced evaporation losses by >40% in comparison to control.
- Soil organic carbon, P, Fe, Mn, Zn and Cu contents were 9, 12, 19, 24, 35, 9% higher in the Narmada canal command area compared to rainfed croplands.
- Significant decrease (-74,826 ha) in wind erosion affected area in Jaisalmer district was mapped for 2018-19 period compared to 2011-13 timeframe.
- During post-monsoon season, groundwater levels were significantly declining ( $p < 0.05$ ) at 93, 87, 87, 82, 62, and 63% of the total sites in Jhunjhununu, Jodhpur, Nagaur, Sikar, Jalore and Pali districts, respectively.
- Field survey in Jaisalmer and Jodhpur districts showed presence of 9 insects on groundnut, 4 on mung bean and 5 on clusterbean with Shannon Weiner diversity (H') index of 1.25, 1.22 and 1.07, respectively.
- Blue bull herds of 7 to 21 members were observed in Aau area of Jodhpur district. Electric fence was found to give maximum protection from blue bulls (< 5 % damage to crops)
- Talc based bio-kit was developed for the management of *Ganoderma* where shelf life of biocontrol agents has been enhanced to ~150 days.
- Under intensive management, rearing of lambs up to 9-month age was found economically viable by gaining 49% more body weights than the lambs raised under traditional management system (29 kg).
- Growth rate of lambs was 78.0, 100.1 and 103.6 g d<sup>-1</sup>, and that of kids was 39.4, 48.0 and 53.9 g d<sup>-1</sup> when feed formulation of 0, 10 and 15% Moringa leaf meal (MLM) was fed. Feeding of MLM-based diet to Tharparkar heifers, replacing conventional protein source of Mustard seed cake (MSC), resulted in better growth rate (g/d) (297.3 vs. 259.8), early puberty and improved conception (%) (67 vs 33) than heifers fed on MSC based diets.
- Harvesting of spineless forage cactus at intermediate phase gives better quality fodder compared to harvesting at young or mature stages.
- Agri-voltaic system of 100 kW generated 1,24,823 kWh power with annual revenue of Rs. 6,24,115.
- A low-cost electronic planting module was designed which maintained uniform row-to-row and seed-to-seed distance of cumin crop.
- Gonda (*Cordia myxa*) mucilage coating on capsicum fruits improved the visual appearance with 25.6% less loss in average weight over a period of 5 days.
- Protocols for pomegranate and *ber* fruit juice drink and drying of fresh dates were developed.
- Survey of farm households in 32 villages revealed that 95% farmers had at least three components of farming system together on their farm.
- Among five types of farming systems observed in Bikaner tehsil, agroforestry with livestock, or agroforestry with livestock and horticulture were dominant.
- Positive effect of shelterbelts on crop growth and yields was found to be from 2h to 10h region of tree height.
- As revealed from the primary data collected across 12 arid districts, an increase in net income of Rs. 15335/household/year due to adoption of the CAZRI gum induction technology was observed.
- Entrepreneurship development through post-harvest processing and technology integration was initiated with ten women farmers.

## Extension Activities

- Total 2,81,720 stem cuttings of Napier hybrid were sold to 130 farmers.
- More than 4500 packets of *Maru Sena* having biocontrol agents were prepared and sold.
- About 14,490 trees of *A. senegal* were treated with CAZRI gum inducer, producing 6.52 t gum Arabic.
- From established village nurseries in Paldi Ranawatan and Dantiwada villages, the farmers' groups earned an additional income of Rs. 4,72,720 and Rs. 50,638, respectively.
- A total of 580 technology demonstrations were organized under MGMG, SCSP and Farmer FIRST Programme.
- Under SCSP -the inputs of quality seeds, fertilizers and farm implements were distributed to 1500 SC farm families in 15 adopted villages and 754 field demonstrations were organized. For 600 farmers, 5 exposure visits to various institutes and Kisan melas were organized. And on-campus (12) and off-campus (8) trainings were also conducted.
- Ten entrepreneurship units on food processing were started and six trainings were organized under 'Doubling farm women's income' project.
- Animal feed solar cookers, non-tracking solar cookers, inclined solar dryers and improved Kassis worth Rs. 1,11,450 were sold.
- Scientist-farmers' interface meetings under TSP (4) and SCSP (10) were organized by RRS, Pali, in addition to providing agricultural inputs. Trainings on 'Oil seed production' were organized under NFSM for farm women.
- A total of 527 farmers in 14 villages of Bikaner district benefitted through distribution of improved seeds, mineral mixture, fertilizers, seed storage bins. One training each on 'IFS' and 'Mushroom cultivation in arid area' was organized by RRS, Bikaner.
- Quality seed, fertilizer and farm implements were distributed to 150 farmers under SCSP in Jaisalmer district. Three trainings on 'Improved cultivation of kharif crops and fertilizer management' were organized by RRS, Jaisalmer, benefitting 145 farmers.
- Seed, fertilizer and other inputs were distributed to 213 farmers under SCSP in Kachchh. Farmers' trainings on 'Agricultural water management' and 'Importance of soil testing in agriculture' and 'Cactus cultivation' were conducted by RRS, Bhuj.
- In four villages, meetings were organized for need-assessment of farming communities by RRS, Leh.
- KVK, Jodhpur organized 42 training programmes benefitting 1268 farmers, farm women, rural youth and extension functionaries. Two awareness camps for lumpy skin disease were organized and 7000 vaccinations in cattle were administered. Four field fays, two *Jal Shakti Abhiyans*, and two *Kisan Melas* were organized by KVK, Jodhpur.
- KVK, Bhuj conducted 44 trainings benefitting 1229 stakeholders and organized 218 FLDs on mustard, wheat, oat, mung bean, clusterbean, sesame and fennel. Under SCSP, awareness-cum input distribution programme benefitting 100 farmers through distribution of quality seeds, drumstick, Super Napier grass, Azolla, Neemastra, Humic acid and vermicompost and also organized 5 field days, 5 *Kisan Gosthies* and 2 *Kisan Melas*.
- KVK, Pali conducted 6 OFTs, 100 trainings, 358 FLDs on crops, 22 on livestock, 180 on home science themes and 567 extension activities and organized 12 field days, 11 *Kisan Gosthies* and 5 *Kisan Melas*.

## Infrastructure Development

- Experimental blocks of dragon fruit and tissue cultured fig with fertigation system.
- A drip irrigation system with 3HP solar pump in agroforestry field.
- Hydroponics/ aeroponics in 400 m<sup>2</sup> area.
- Solar system for greenhouse operation (10KW).
- A low-cost protected cultivation model (Rs 1.5 lakh).
- Service lab, seminar room with video conferencing facilities at ABI.
- A vermicomposting unit, new orchard of ber (Thai apple), boundary plantations of Karonda, and 2-ha area for seed production of *Lasiurus indicus* and *Cenchrus ciliaris* at RRS, Bikaner.
- Furnished Lab and office rooms at RRS, Bhuj.
- Strengthened Lab and office facilities at RRS, Leh.
- Developed a poultry unit of 500 birds of Kadaknath breed and a mushroom unit at KVK, Pali.

## Agri-Business Incubation Centre

Organised 4 Entrepreneurship Development Programmes (EDP) with total 34 stakeholders and 3 Skill Development Programmes (SDP) with 12 stakeholders participation. The programmes covered topics like nursery management, organic farming, dairy farming, goat and sheep farming and mushroom cultivation. Out of trained participants, 6 entrepreneurs started their own business ventures and 2 were awarded by Hon'ble Union Agriculture and Farmers' Welfare Minister.

## Institute Technology Management Unit (ITMU)

Signed a MoU with National Remote Sensing Centre ISRO, Department of Space, Govt. of India, Balanagar, Hyderabad and 4 patents are being processed for filing.

**KRISHI Portal:** In total contributed 4650 publications, 75 technologies, 48 videos on improved technologies to this portal.

**HRD:** Fourteen scientists, 8 technical and 3 administrative personnel participated in training programmes.

## Workshops/Conferences/Seminars/Trainings Organized

- Two EDP trainings of ABI on 'Protected cultivation technology': 15 September - 14 October; 24 January - 23 February
- Three days farmers' training under Farmers' FIRST program on 'Oyster mushroom production technology and value addition in tropical mushrooms': 26-28 October
- Four SDP trainings of ABI for women farmers: 25-27 October; 22-25 March; 17 August; 5-9 September

- Five day's training on 'Mushroom cultivation for income generation in arid areas' under SDP of ABI at RRS, Bikaner: 8-12 November
- Three seminars on 'Bandicoot rat, *Banticoota bengalensis*: A pest of national importance in agricultural commodities' (17 Nov.), 'Bird pest management' (26 Nov.) and 'Wildlife and agriculture': 29 November
- Five-day training under SDP of ABI on 'Nursery establishment of horticultural crops': 28 January - 1 February by AINP on Vertebrate Pest Management
- One week's training on 'Mushroom production in hot arid areas for income generation' under EDP of ABI at RRS, Bikaner: 1-7 February
- Regional seminar (Hot arid region) on 'Agrobiodiversity conservation and use for climate resilience and livelihood improvement of farmers': 7 March
- Training on "शुष्क क्षेत्रों में रबी फसल उत्पादन बढ़ाने हेतु एकीकृत खेती प्रणाली प्रबंधन" at RRS, Bikaner: 22-23 March
- Four days training on 'Doubling farm women's income: SDP through post-harvest processing and technology integration in arid zone': 22-25 March
- Three days SDP training on 'Organic farming technology': 30 May - 1 June
- Thirty days training under EDP on 'Nutri-products of pearl millet': 15 July - 14 August
- National Workshop on Sustainable Farming in Arid Regions: 29-30 August
- DST-SERB sponsored workshop on 'Farming system and natural farming for livelihood security in arid ecosystem' at RRS, Bikaner: 1-14 September

### Important Meetings

- XV Research Advisory Committee Meeting: 25-26 February
- 37<sup>th</sup> Scientific Advisory Committee meeting of KVK, Jodhpur: 22 October
- Institute Research Committee meeting: 26 April - 1 May and 29 July
- Launch workshop of collaborative project on quantitative estimation of carbon and moisture fluxes over the pearl millet based agro-ecosystem between ICAR-CAZRI Jodhpur and NRSC, Hyderabad: 5 August

### Days, Events Celebrated

- 63rd Foundation Day of ICAR-CAZRI: 1 October
- *Mahila Krishik Diwas*: 15 October
- World Food Day: 16 October
- World Soil Health Day: 5 December
- Cleanliness Fortnight: 16-31 December
- *Rashtriya Kisan Diwas*: 23 December
- *Vigyan Diwas*: 25 December
- 73rd Republic Day: 26 January
- World Pulses Day: 10 February
- World Water Day: 22 March
- International Day of Forest: 22 March
- International Yoga Day: 21 June
- ICAR Foundation Day: 16 July
- Independence Day: 15 August
- Hindi Week: 14-21 September

### Distinguished Visitors

A galaxy of renowned personalities visited the institute including Ministers, current and former Director Generals (DGs) and Chairman of several national and international institutes/organizations, Vice Chancellors, DDGs, ADGs, Directors of ICAR institutes; Officials of State Line Departments, BSF, army, private organizations, etc. Conspicuous among them are:

- Shri Narendra Singh Tomar, Minister of Agriculture and Farmers' Welfare, Govt. of India, New Delhi
- Shri Gajendra Singh Shekhawat, Minister of Jal Shakti, Govt. of India, New Delhi
- Shri Giriraj Singh, Minister of Rural Development and Panchayati Raj, Govt. of India, New Delhi
- Shri Kailash Chaudhary, Minister of State for Agriculture and Farmers' Welfare, Govt. of India, New Delhi
- Dr. C.D. Mayee, Former Chairman, ASRB
- Dr. A.S. Faroda, Former Chairman, ASRB
- Dr. Himanshu Pathak, Secretary (DARE) & Director General, ICAR, New Delhi
- Sh. A.S. Rawat, Director General, Indian Council of Forest Research and Education (ICFRE), Dehradun
- Dr. W. Selvamurthy, President, Amity Science, Technology and Innovation Foundation, Director General for Amity Directorate of Science and Innovation and Chancellor, Amity University, Chhattisgarh
- Prof. Abhimanyu Kumar, Vice Chancellor, Dr. Sarvpalli Radhakrishnan Rajasthan Ayurveda University, Jodhpur
- Dr. K.S. Khokhar, Former Vice-Chancellor, CCS Haryana Agricultural University, Hisar
- Dr. S.K. Chaudhari, DDG (NRM), ICAR, New Delhi
- Dr. A.K. Singh, DDG (Extension), ICAR, New Delhi
- Dr. B.P. Yadav, DDG, India Meteorological Department, New Delhi
- Dr. K.D. Kokate, Former DDG (Extension), ICAR, New Delhi
- Dr. A.K. Tomar, Director, ICAR-CSSWRI, Karnal
- Dr. S.K. Singh, Director, ICAR-ATARI, Jodhpur
- Shri M.R. Baloch, Director, AFRI, Jodhpur
- Dr. O.P. Pareek, Former Director, ICAR-CIAH, Bikaner
- Dr. Dheer Singh, Joint Director, ICAR-NDRI, Karnal

- Shri V.K. Pandey, Joint Director, Department of Agriculture, Government of Rajasthan
- Dr. S.K. Jena, Project Coordinator, ICAR-IIWM, Bhubaneswar
- Sh. Bhagirath Choudhary, Board Member APEDA, Government of India
- Shri Rajesh Sharma, Divisional Commissioner, Jodhpur
- Shri Himanshu Gupta, District Collector, Jodhpur
- Shri M.S. Rathore, Inspector General, Border Security Force, Jodhpur
- Ms. Vanita Seth, Mayor, Nagar Nigam (South), Jodhpur
- Shri Rakesh, Additional Commissioner, Nagar Nigam (South), Jodhpur
- Shri Narendra Kumar, Chief Engineer, Rail Mandal, Jaipur
- Ms. Jyoti Jaani, Member IMC
- Col. Abhiram Bose, Jodhpur Army
- Paramhans Shri 108 Shri Ram Prasad Ji Maharaj
- Shri Sundar Lal, President ISCON, Jodhpur
- Shri Panch Ratna Das, President ISCON, Jaipur
- Dr. Rakesh Kumar Pandit, National President, Arogya Bharti, Shimla, Himachal Pradesh
- Shri Brij Kishore Mathur, President, Arogya Bharti, Jodhpur
- Shri Om Prakash Maheshwari, Secretary, Arogya Bharti, Jodhpur
- Shri Suresh Shah, Treasurer, Arogya Bharti, Jodhpur

### Participation in Exhibitions

- तबीजी किसान मेला व प्रदर्शनी (केवीके तबीजी, अजमेर: 05 मार्च, एनआरसीएसएस, तबीजी, अजमेर: 11 मार्च)
- पादरू बाड़मेर किसान मेला व प्रदर्शनी (कृषि विश्वविद्यालय, जोधपुर): 19 मार्च
- श्री मल्लीनाथ पशु मेला में प्रदर्शनी व कृषक वैज्ञानिक संगोष्ठी तिलवाड़ा, बाड़मेर: 01 से 03 अप्रैल
- सीएसडब्ल्यूआरआई, अविकानगर द्वारा आयोजित एक दिवसीय किसान मेला: 31 मई

### Awards/Recognitions

- ICAR-CAZRI received the Best Annual Report Award 2021 by ICAR, New Delhi.
- Dr. S.K. Singh was ranked among top 2% scientists of the world by Stanford University, USA.
- Dr. V.S. Rathore was conferred with Fellow of Indian Society of Agronomy, New Delhi.
- Dr. P.R. Meghwal was conferred with Fellow of Indian Society for Arid Horticulture, ICAR-CIAH, Bikaner.
- Dr. Birbal was conferred with Fellow of Indian Society for Arid Horticulture, ICAR-CIAH, Bikaner.
- Dr. Pradeep Kumar was conferred with Fellow of Indian Society of Vegetable Science, Varanasi.
- Dr. Ritu Mawar was conferred with Fellow of Asian PGPR Society 2022.
- Dr. Priyabrata Santra received Gold Medal Award 2021 from ICAR-Indian Association of Soil and Water Conservationists, Dehradun.

### Appointment/Joining

#### At ICAR-Central Arid Zone Research Institute, Jodhpur

- Ms. Kajal Arora, Senior Technical Officer (STO) on June 7, 2022
- Mr. Sourabh, STO on June 8, 2022
- Shri Ramdeen, Sr. Admn. Officer on 8.11.2021
- Sh. Suresh Kumar, Chief Administrative Officer (Sr. Grade) on 19.3.2022
- Sh. Ram Pal Verma, Administrative Officer on 11-07-2022
- Sh. Navin Kumar Yadav, Dy. Director (O.L.) on 05-09-2022

#### At ICAR-Central Arid Zone Research Institute RRS, Bikaner

- Mr. Manoj Kumar Gora, Senior Technical Officer on June 29, 2022

### Transfer/Relieved

- Dr. Vandita Kumari, Scientist (Agril. Statistics) on 18.10.2021 from ICAR-IASRI, New Delhi to ICAR-CAZRI, Jodhpur
- Dr. Maharaj Singh, PS (Plant Physiology) on 25.10.2021 from ICAR-IISR, Indore to ICAR-CAZRI, Jodhpur
- Dr. A.K. Patel, PS (LPM) on 08.04.2022 from ICAR-CAZRI, Jodhpur to ICAR-CSWRI, Avikanagar
- Dr. R.K. Goyal, PS (L&WME) on 28.04.2022 from ICAR-CAZRI, Jodhpur to RRS, Leh
- Dr. Mahesh Kumar Gaur, PS (Geography) on 28.04.2022 from ICAR-CAZRI, Jodhpur to RRS, Leh
- Dr. Noor Mohd. M.B., Scientist (Agroforestry) on 28.04.2022 from ICAR-CAZRI RRS, Pali to RRS, Leh
- Shri Renjith P.S., Scientist (Agronomy) on 28.04.2022 from ICAR-CAZRI RRS, Bikaner to RRS, Bhuj
- Dr. Sheetal K. Radhakrishnan, Scientist (Environmental Science) on 28.04.2022 from ICAR-CAZRI RRS, Bikaner to RRS, Bhuj
- Dr. Anandkumar Naorem, Scientist (Soil Science) on 28.04.2022 from ICAR-CAZRI RRS, Bhuj to ICAR-CAZRI, Jodhpur
- Mr. Balveer Singh, T-1 on 17.05.2022 from RRS, Jaisalmer to ICAR-CAZRI, Jodhpur
- Mr. Ubedullah, T-5 on 19.05.2022 from ICAR-CAZRI, Jodhpur to RRS, Jaisalmer
- Dr. A.K. Patel, PS (LPM) on 10.08.2022 from ICAR-CSWRI, Avikanagar to ICAR-CAZRI, Jodhpur

### Promotions

#### Senior Scientist to Principal Scientist

- Dr. K.K. Meena, Dr. Manish Kanwat, Dr. Mahesh Kumar Gaur

#### Scientist to Senior Scientist

- DR. N.K. Jat, Dr.Soma Srivastava, Dr. Sughan Chand Meena

#### Scientist Level-10 to Level-11

- Dr. Seeta Ram Meena, Dr. Noor Mohd. M.B., Sh. Abhishek Kumar, Ms. Keerthika A., Dr. Ravindra Singh Sekhawat, Dr. Dipika Hajong, Dr. Vandita Kumari, Shri Om Prakash

#### Chief Finance & Account Officer to Director (Finance)

- Smt. Sunita Arya

#### Adm. Officer to Sr. Adm. Officer

- Sh. Indra Raj Meena

#### Assistant Adm. Officer to Adm. Officer

- Sh. Karan Singh Gehlot

#### Asstt. Fin. & ACO to Fin. & Accounts Officer

- Sh. Sunil Choudhary, Sh. Pradeep Kumar Mathur

#### Assistant Chief Technical Officer to Chief Technical Officer

- Sh. Vimal Kishore Purohit, Dr. A.S. Tomar, Sh. B.S. Jodha, Sh. Subhash Chandra Kachhawaha, Dr. Aishwarya Dudi, Dr. Moti Lal Meena

#### Sr. Technical Officer to Assistant Chief Technical Officer

- Sh. Gaje Singh Jodha, Sh. Moti Lal Bijrolia, Sh. Jigmet Stanzin, Sh. Chandan Kumar, Dr. Arvind Singh Teterwal, Dr. Ram Niwas

#### Technical Officer to Sr. Technical Officer

- Sh. Shyam Singh, Sh. Ranjeet Singh Mertia, Sh. N.R. Bhadoo, Sh. Shanti Lal Sharma, Sh. Girdhari Ram, Sh. Laxmi Narain, Sh. Nand Lal Chouhan, Sh. Sohan Ram Bhakar, Sh. Sohan Ram Choudhary, Sh. Suraj Prakash, Sh. Mohan Ram Karela, Sh. Ramu Ram, Sh. Badri Narayan Sharma, Sh. Rajesh Kumar Dave, Sh. Meetha Ram, Sh. Jugal Kishore, Sh. Ubedullah, Sh. Amit Kumar Singh, Sh. Bhanwar Lal Bose

#### Senior Technical Assistant to Technical Officer

- Sh. Maga Ram, Sh. Hira Ram Choudhary, Sh. Anil Kumar, Sh. Manohar Lal Sharma, Sh. Ashok Kumar Sarvate, Sh. Jasraj Jaipal

#### Sr. Technician to Technical Assistant

- Sh. Ganga Singh Bhati

#### Technician to Sr. Technician

- Sh. Santosh Khichi, Sh. Swaroop Singh, Sh. Sohan Lal Gehlot, Sh. Veerpuria Bharat Kumar, Sh. Chandra Prakash

#### Assistant to Assistant Administrative Officer

- Sh. Dharmendra Singh Sankhla, Sh. Surendra Singh Chouhan

#### Senior Clerk to Assistant

- Dr. Santosh Kumar Marwan, Sh. Anil Bansal Sh. Manoj Kumar Parihar

#### SSS to Jr. Clerk

- Sh. Subhash Chandra, Sh. Prem Singh

#### SSS to Technician

- Sh. Arjun Singh, Sh. Ganga Ram, Sh. Bhanwara Ram, Sh. Nawab Khan, Sh. Banni Lal, Sh. Oma Ram Khoja, Sh. Jodha Ram, Sh. Bhim Raj, Sh. Ram Singh, Sh. Ajeet Singh, Sh. Prathvi Singh, Sh. Rajendra Choudhary, Sh. Bheru Singh/ Sh. Sughan Singh, Sh. Jagdish/Sh. Bhaboota Ram, Smt. Meena Jodha

### Superannuation

- **October 2021:** Dr. Ashok Singh Tomar, ACTO; Sh. Bhupendra Giri, AAO
- **November 2021:** Dr. Hari Dayal, CTO; Smt. Savita Singhal, CTO; Sh. S.K. Thakur, TO
- **December 2021:** Dr. C.B. Pandey, PS and Head of Division; Sh. Narayan Ram, TO
- **January 2022:** Dr. Anjly Pancholy, PS (Genetics and Cytogenetics); Sh. Nar Singh Ram, T-5; Sh. Barakat Ali, SSS; Sh. Bhera Ram/Sh. Khuma Ram, SSS; Smt. Sua, SSS; Smt. Baburi, SSS
- **February 2022:** Sh. Gopi Kishan, T-4; Sh. Ker Singh, SSS; Sh. Sona Ram/Teja Ram, SSS
- **March 2022:** Sh. Sohan Lal Gehlot, T-1; Sh. Nar Singh, SSS; Sh. Pokar Ram, SSS
- **April 2022:** Sh. Banni Lal, T-1
- **May 2022:** Sh. Ram Singh Rajpurohit, T-1
- **June 2022:** Dr. Praveen Kumar, PS & Head of Division; Sh. Girdhari Lal, T-5; Sh. Nathu Ram Bheel, T-5; Sh. Prem Chand Panwar, AO; Sh. Mangi Lal, AAO; Sh. Pema Ram, Jr. Clerk; Sh. Kanhaiya Lal, SSS; Sh. Nemi Chand, SSS
- **July 2022:** Dr. S.K. Singh, PS & Head of Division; Sh. Harish Chandra Sharma, Private Secretary; Sh. Surendra Singh Chouhan, AAO
- **August 2022:** Sh. Arjun Singh, T-1, Sh. Amba Lal S/o Sh. Rang Lal, SSS; Smt. Padma W/o Sh. Bhanwar Lal, SSS
- **September 2022:** Sh. Abhey Singh, TO; Sh. Umaid Singh S/o Sh. Sanwal Dan Singh, SSS

### Obituary

- Sh. Ilamdeen, SSS on 6 May 2022
- Sh. Vasu Dev Godiyal, Assistant on 17 June 2022
- Sh. Kharta Ram, SSS on 21 June 2022

