

NATIONAL CLASSIFICATION OF OCCUPATIONS

DIVISION-6

SKILLED AGRICULTURAL AND FISHERY WORKERS

Skilled agricultural and fishery workers grow and harvest field or tree and shrub crops, gather wild fruits and plants, breed, tend or haunt animals, produce a variety of animal husbandry products, cultivate, conserve and exploit forests, breed or catch fish and cultivate or gather other forms of aquatic life in order to provide food, shelter and income for themselves and their households. Most occupations in this division require skills at the second s kill level.

61 MARKET- ORIENTED SKILLED AGRICULTURAL AND FISHERY WORKERS

Market- oriented skilled agricultural and fishery workers plan and carry out the necessary operations to grow and harvest field or tree and shrub crops, gather wild fruits and plants, breed, tend or haunt animals, produce a variety of animal husbandry products, cultivate, conserve and exploit forests, breed or catch fish and cultivate or gather other forms of aquatic life, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

611 MARKET GARDNERS AND CROP GROWERS

Market gardeners and crop growers plan and carry out the necessary operations to grow and harvest field crops, to grow fruit and other tree and shrub crops, to grow garden vegetables and medicinal and other plants, and to produce horticultural and horticultural nurseries products, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6111 FIELD CROP AND VEGETABLE GROWERS

Field crop and vegetable growers plan and carry out the necessary operations to grow and harvest various types of field crops such as wheat and other cereals, rice, beetroot, sugar-cane, ground-nuts, tobacco, reeds or other field crops and potatoes, cabbages or other field vegetables, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6111.10 Cultivators, General; Farmer, General; grows crops, vegetables, fruits, etc. depending upon soil, irrigation facilities, market, etc., and sells produce. Determines crops to be grown depending on nature of soil, climate, irrigation and marketing facilities. Selects and purchases good seed, fertiliser, implements and other items of farm equipments including machinery. Clears field of stones, grass, shrubs, trees etc., using hand tools. Prepares plots by raising 'bund' (earthwork) around them for retention of water. Tills land using plough or tractor and breads loads. Sows seeds and levels earth. Makes channels connecting land to source of water for

irrigation. Conducts weeding and hoeing to conserve moisture. Prepares manure by collecting and storing farmyard refuse into ditch and covering it with earth. Sprays insecticides, evolves measures to protect crops from destruction by plant diseases and wild animals and nurses growing crops by picking wild growth. Harvests matured crops using sickle etc. Collects harvested crop into bundles and carries it to the threshing ground when completely dried by sun. Threshes harvested crop by treading bullocks or machine. Separates grain from straw by winnowing. Bags corn, bundles straw and stores corn in godown. Sells produce in market. Hires labourers when necessary and supervises their work. Maintains equipment , building, fences etc. in good order. May operate tractor, winnowing, threshing and other machines. May breed animals. May do share cropping or take land on lease for cultivation.

6111.20 Cultivator, Crop; Farmer, Crop grows field crops of wheat, paddy, cotton, sugar cane etc., according to type of land and irrigation facilities available. Determines type of crop to be grown according to nature of soil, climatic conditions, irrigation and

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marketing facilities in that area. Selects and purchases seeds, fertilises and other items of farm equipments including machinery. Clears land of grass, stones etc. using spades and other tools. Divides farm into easy portions (fields) and raises boundary round them for retention of water. Ploughs land or breaks it by means of tractor or other implements to soften earth and increase fertility. Connects land with source of water by digging channels for irrigation as required. Sows by broadcasting seeds in field and levelling up with wooden plough. Conducts weeding and hoeing to conserve moisture. Fences farm using barbed wire or thorny bushes to prevent destruction of crops by animals and trespassing. Sprays insecticides and evolves measures to protect crop from plant diseases, insects and pests. Nurses growing crops by careful watch and harvests matured crops using sickle or other harvesting implements or machines. Collects and preserves seeds. Collects harvested crop into bundles and removes to threshing floors. Dries harvested crop in sun. Threshes crop and winnows to separate grain from chaff. Bags and transports yield by carts for storage and sale in market. Hires labourers if required and supervises their work. Prepares manure by collecting and storing cow dung into ditch. Keeps equipment, building, fences etc. in good order. May operate tractor, winnowing, threshing and other machines, May breed animals.

6111.30 Cultivator, Vegetables; Farmer, Vegetables grows variety of vegetables according to soil, season and demand. Determines vegetables to be grown taking into consideration nature of soil, irrigation facilities, climatic conditions, consumption and market values. Selects and purchases seed, fertilisers and other items of farm equipments including machines. Ploughs land adopting indigenous methods or breaks land by tractor. Divides land into small plots by raising small bunds (earthwork) around for retention of water and manure. Clears land by removing grass, stones, etc. by hand. Mixes manure with soil, sows seeds by spreading over ground and levelling or plant cutting and irrigates field as required, by digging out drains and connecting them to source of water. Fences farm if required with barbed wire or thorny bushes for

protection. Spray insecticides and takes other protective measures against plant diseases and destruction by wild animals, pests etc. Hoes and weeds fields to conserve moisture. Harvests matured vegetables by cutting with knife or pulling or digging out from ground using hand tools. Transports vegetables to market place for sale. Hires labourers on cultivation if required and supervises their work. Keeps buildings, fences and other agricultural equipments in good repairs. Collects farmyard refuse to convert it into manure. May operate tractor for preparing fields. May arrange to keep vegetables in cold storage. May specialise in growing any particular kind of vegetable like peas, potatoes, etc.

6111.40 Cultivators (Tenant) Share Cropper cultivates land on lease from landowner and share produce or pays rent to him (owner of land) as settled. Examines soil, irrigation and marketing facilities and determines crop to be grown. Selects and purchases seeds, fertiliser and other items of farm equipments and machinery. Hires labourers, if necessary. Removes grass, stones, etc. by hand, divides farm in easy portions and raises boundary across them to retain water. Ploughs land or breaks it by means of tractor and applies manure to increase fertility. Digs out channels connecting land to source of water to irrigate it at regular intervals. Watches germination and seedlings after required period and conducts watering weeding and hoeing as necessary to conserve moisture and prevent wild growth. Fences farm, sprays insecticides and evolves measures to protect cultivation from plant diseases, insects, pests and wild animals. Nurses growing crops by careful watch, inter cultivations, weeding, manuring and watering and harvests matured crops manually using sickle. etc. Collects harvested crop into bundles and carries them to threshing floors. Gets harvested crop dried in sun for specified period for easy threshing. Threshes crop with help of bullocks and separates threshed grain from chaff by winnowing. Fills produce in bags for storing or for sale in market. Gives share of harvest or pays rent to landlord as agreed upon. Preserves seeds and maintains tools, fencing etc. for next crop. May do other part time work in village during off season. May operate tractor, winnowing and

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threshing machines. May maintain expense and yield account. May do vegetable cultivation instead of field crop.

6111.50 Fieldman, Agriculture; Mate Agriculture distributes and controls labour of Agricultural or Horticulture farm and supervises ploughing, sowing, harvesting, etc. under directions of superiors. Checks attendance of labour. Allots work to each worker. Collects seeds, fertilisers and equipment from stores and distributes them to workers. Controls workers engaged in ploughing, manuring, sowing, irrigating, gap filling, harvesting, weeding, threshing, winnowing etc. Collects from workers at close of day all implements distributed to them in morning and deposits them in stores. Reports progress of work to superior and arranges payment of wages by superior. Attends to any other job assigned by superior.

6111.90 Field Crop and Vegetable Growers, other include those who plan and carry out the necessary operations to grow and harvest various types of field crops such as wheat and other cereals, rice, beetroot, sugar-cane, ground-nuts, tobacco, reeds or other field crops and potatoes, cabbages or other field vegetables, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets not elsewhere classified.

6112 TREE AND SHRUB CROP GROWERS

Tree and shrub crop growers plan and carry out the necessary operations to grow and harvest trees and shrubs, such as fruit and nut trees, tea and coffee bushes, grape vines, berry-bearing bushes, cocoa trees and rubber trees and to collect sap, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6112.10 Cultivator, Fruit: Farmer, Fruit grows varieties of nuts and fruits depending on type of soil, climate, irrigational and transport facilities. Determines type of nuts or fruits to be grown based on nature of soil, climatic conditions and irrigational facilities. Selects and purchases seeds, seedlings, cutting, etc. fertilizer and agricultural equipments required for cultivation.

Prepares land for planting by ploughing, manuring, levelling, etc. Plants seedlings and cuttings or sows seeds and irrigates fields. Arranges regular supply of water by digging channels to source of water. Prepares manure for use in cultivation by storing farm yard refuse to get converted into usable manure. Weeds and hoes grass and prunes branches of fruit plants by hand tools to facilitate better growth and yield. Sprays insecticide and evolves measures to protect fruits from wild animals, etc. Checks maturity of fruits and plucks ripe fruits by hand at appropriate time. Develops different varieties of trees by grafting, budding, etc. Transports plants and fruits by carts or automobile and sells them. Hires labourers when needed and supervises their work. Keeps fences, building and agricultural tools and implements in good condition. May prepare seedbeds and raise seedlings for own use and for sale. May specialise in cultivating any particular type of fruit. May arrange preservation of fruits in cold storage. May specialise in grafting or budding.

6112.20 Viniculturist; Grape Cultivator cultivates grapes for commercial use. Determines varieties of grapes to be grown, according to soil, weather and market conditions. Selects and purchases vine stock, fertilizer and farm machinery. Hires workers to prepare soil, layout new plantings and train young stock. Operates farm machinery and directs workers to apply fertilizer and pesticides to crop. Decides when and how to bud, graft, prune, cultivate, and harvest crop. Arranges with buyers for sale of crop.

6112.30 Pruner, Tea Gardens prunes branches of tea plants to produce better yield. Observes plant and decides extent of pruning needed. Cuts branches using pruning knife at desired point and disposes them off by spreading at bottom of plant or by removal. May prepare land for planting tea plants. May spray insecticides. May perform low skilled manufacturing tasks in factory during heavy harvest months.

6112.40 Tapper, Palm Juice makes cuts in trunks of palm-trees and gathers oozed out sap (palm juice). Climbs palm-tree with pot and knife tied with his waist through belt. Cleans space at top of tree-trunk preparatory

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to tapping. Cuts narrow 'V' shaped opening in tree-trunk at specified spot with knife to permit flow of sap. Fastens pot on tree trunk with rope and ensures that palm-juice drops into pot. Adjusts pot, if necessary, to avoid waste. Empties full pot into bucket next day and refixes empty pot at adjacent place on tree trunk for further collection. Repeats process for collection of juice from other trees.

6112.50 Tapper, Rubber cuts channel grooves on trunk of rubber trees at prescribed angle on specified area and gathers exuded latex. Fastens spout and cup below lowest end of cut to collect oozed out latex. Adds preservatives or anticoagulants into cup where specified. Repeats process on other trees under his charge and empties cups when full or when oozing stops, into bucket. Scraps coagulated latex from scars on trees before making fresh cutting. Ensures that cups and spouts are clean and tapping cuts are of uniform length and depth, without causing injury to tree-trunk. Repeats process on tapped trees next morning. May sharpen tapping knife and carry latex to reception station for weighment and further processing.

6112.60 Seed Grower propagates and grows horticultural-specialty products and crops, such as seeds, bulbs, rootstocks, sod, ornamental plants, and cut flowers: Plans acreage utilisation and work schedules, according to knowledge of crop culture, climate and market conditions, seed, bulb, or rootstock availability, and employable work force and machinery. Attaches farm implements, such as disk and fertiliser spreader, to tractor and drives tractor in fields to till soil and plant and cultivate crop. Inspects fields periodically to ascertain nutrient deficiencies, detect insect, disease, and pest infestations, and identify foreign-plant growth, and selects, purchases, and schedules materials, such as fertilisers and herbicides, to ensure quality control. Hires field workers; assigns their duties according to scheduled activities, such as planting, irrigating, weeding, and harvesting; and oversees their activities. Maintains personnel and production records. Arranges with customers for sale of crop. May oversee activities, such as product cleaning, grading, and packaging. May provide customer

services, such as planning and building planters, walls, and patios, and planting and caring for landscape and display arrangements. May bud or graft scion stock on plantings to alter growth characteristics. May develop new variations of species specialty to produce crops with specialised market-appeal. May cultivate out-of-season seedlings and crops, using greenhouse. May cultivate cover crop, such as hay or rye, in rotation with horticultural specialty to rejuvenate soil. May drive and operate self-propelled harvesting machine. May lubricate, adjust, and make minor repairs on farm machinery and equipment.

6112.65 Budder buds field-grown rose plants with hybrid buds during rose-growing season: Crouches over rows of rose plants to reach plant rootstock. Cuts T-shaped incision on rootstock and opens incision, using budding knife. Slices hybrid bud from scion wood and inserts bud into incision. Observes tying of buds to ensure quality of tie. Repeats procedure, rapidly, throughout work period to maintain production.

6112.90 Tree and Shrub Crop Growers, other include those who plan and carry out the necessary operations to grow and harvest trees and shrubs not elsewhere classified.

6113 GARDENERS, HORTICULTURAL AND NURSERY GROWERS

Gardeners, horticultural and nursery growers plan and carry out the necessary operations to grow vegetables by intensive cultivation techniques, to cultivate trees, shrubs, flowers and other plants, and to produce saplings, buds and seeds, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6113.10 Planter manages plantation on own account to grow plantation crops such as tea, coffee, rubber, etc. Arranges to procure seed according to type of crop such as tea, coffee, rubber, etc. Determines kinds of crop to be grown. Gets land cleared and prepared for growing crops by digging, ploughing, harrowing etc. Organises and supervises various farm operations, sowing, manuring, weeding, spraying insecticide, and protection of crop from destruction by wild animals. Arranges harvesting of crop and supervises

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plucking, tapping and threshing of leaves, etc. Ensures proper maintenance and development of plantation estate. Supervises recruitment and welfare of labour employed. Maintains records relating to cost of production, sale and other accounts. May conduct research and organise demonstration. May arrange preservation of produce and partially process them prior to marketing. Is designated as Planter, Tea; Planter, Coffee; Planter, Cinchona; Planter, Cocoa; Planter, Rubber according to type of crop grown.

6113.20 Nurseryman; Mali, Nursery manages nursery on own account, or on behalf of employer to grow trees, plants, flowers, shrubs, creepers, seeds, bulbs etc. in open air or green houses for sale to customers. Decides kind and number of plants to be grown and method of planting, cultivating and treatment based on soil, climatic conditions, irrigation facilities etc. Selects and purchases seeds, fertilizers, insecticide. Equipments and machinery and other items. Plans preparation of beds and method of planting, depending on type of plants to be grown. Prepares bed by various processes such as breaking soil, mixing fertilizers, etc. sows seeds, plants, seedlings, cuttings or propagates plants by grafting, budding and other methods and makes water channels. Watches growth of sapling, seedlings, grafts and plants. Hoes and prunes excess growth and off-shoots of plants, dusts and sprays pesticides and takes other measures to protect plants from pests, wild animals, etc. Observes development of plants. Develops methods of grafting and budding./ Collects and preserves seeds for sale. Hires labour if necessary and undertakes planting, weeding, pruning etc. as required. Supervises their work and trains them. Maintains buildings and equipment in good condition. Keeps records of cost and production statement. Sells seedling, seeds, bulbs etc. May specialise in landscape planting.

6113.30 Gardener, General; Mali General grows flowers, trees, shrubs, seedlings, vegetables, etc. in public or private gardens. Prepares soil and sows seeds, plants, seedlings etc. Waters seed-beds and growing plants. Weeds and hoes garden and prunes hedges and bushes. Sprays and dusts

pesticides and evolves other measures to protect plants from diseases and wild animals. Prepares soil and lays lawn. Waters mows and levels lawns. Prepares paths and ensures their proper up-keep. Collects and preserves seeds for sowing. Supervises labourers engaged for assistance. Keeps implements etc. in good working order. May maintain green house for display. May cultivate vegetables and fruit trees. May specialise in ornamental gardening. May work in nursery for improving variety of plants from seeds, cuttings, grafting or budding and be designated as **MALI, NURSERY**. May sell plants, buy seeds, fertilizers, insecticides, etc. May pay wages to labourers employed.

6113.40 Grounds man; Grounds Keeper prepares and keeps up recreation and sports grounds in proper condition for various games. Grades and selects site. Supervises breaking of soil, removal of weeds and foreign matters and retains required type of grass if necessary. Plans drainage, checks final preparation of soil bed, mixes fertilizers with chemicals like sulphate of iron to improve growth and colour of turf and sows required type of grass seeds. Lays turf for preparing different types of grounds and sports fields such as hockey, tennis, cricket, football, golf, etc. Gives necessary treatment to fields according to type of ground and pitch required such as turf wicket, matting wicket, golf course etc. Dresses turf with nitro-chalk, ammonium sulphate and other chemicals at regular intervals to prevent invasion of earth worms and diseases and adopts measures against ruinous actions of rabbits, field mice etc. Top dresses turf by moving grass cutting and rolling. Investigates causes of bad lawns and takes appropriate steps to renovate neglected lawns, fields and grounds. Measures and marks playing grounds, tracks etc., with chalk line, sets up goal posts and performs related tasks. Supervises work of men engaged in upkeep of fields. May prepare annual calendar to facilitate progress. May trim hedges and maintain flowerbeds and pathways.

6113.90 Nursery Workers and Gardeners, other include all other nursery workers and gardeners engaged in growing flowers,

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seeds, bulbs, vegetables etc., not elsewhere classified.

6114 MIXED CROP GROWERS

Mixed crop growers plan and carry out the necessary operations to grow vegetables and harvest specific combinations of field crops, field vegetables, trees, shrub crops and garden, horticultural and nursery products, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6114.90 Mixed Crop Growers, other include those who plan and carry out the necessary operations to grow vegetables and harvest specific combinations of field crops, field vegetables, trees, shrub crops and garden, horticultural and nursery products not elsewhere classified.

612 MARKET- ORIENTED ANIMAL PRODUCERS AND RELATED WORKERS

Market- oriented animal producers and related workers plan and carry out the necessary operations to breed, raise and tend livestock such as cattle, sheep, pigs, goats, horses or other animals, including birds, reptiles, fur- producing animals, poultry, game and to produce a variety of animal husbandry products, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6121 DAIRY AND LIVESTOCK PRODUCERS

Dairy and livestock producers plan and carry out the necessary operations to breed, raise and tend livestock such as cattle, sheep, pigs, goats, horses, dogs or cats to be used as working, sporting, or pet animals, as well as for meat, milk, hair, hides and other products for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6121.10 Farmer, Livestock manages farm on own account for raising and breeding different kinds of livestock. Selects and purchases animals, arranges sheds, stables etc. to shelter animals from weather and gets enclosures put up for their safety.

Determines amount of basic feed required to feed animals and stock fodder and other feeding material through purchases. Arranges grazing of livestock on available pastures and ensures by constant watch that animals do not go astray or get lost. Restrains them from drinking polluted water. Examines and treats animals for minor injuries and infection. Arranges proper medical aid in serious cases. Trains to cultivate desirable habits in animals. Selects and pairs pedigree animals for breeding. Gets animals bred by artificial insemination if necessary. Tends animals during birth and protects and guards young animals. Performs tasks connected with milking. Markets milk, and animals for meat, breeding etc. Gets animals inoculated and vaccinated in time and adopts preventive measures in case of outbreak of epidemic. Keeps records of feed consumed, milk and other items produced and stock sold or purchased. Attends to all correspondence, accounts and administration of farm. Ensures proper cleaning of sheds and stable, flaying of skins and hides of fallen animals, disposal of carcasses etc. as necessary. May raise particular breeds of animal. May raise and exhibit show animals. May grow and cultivate feed for animals.

6121.15 Farmer, Dairy owns and breeds milch cattle for production of milk, butter, ghee, etc. and arranges for their marketing. Selects and buys cattle. Makes proper arrangements for housing and feeding them and gets them inoculated and vaccinated in time to prevent diseases. Buys and stores feeding supplies. Determines amount of basic feed required and prepared it by mixing oil cakes, roughages and minerals (salt and lime) in desired quantity. Gives regulated diet to animals. Arranges their grazing on available pastures. Ensures guarding of animals from wandering and being lost, eating poisonous and harmful plants, drinking polluted water and mating with stray animals. Selects and pairs animals for breeding. Tends animals during birth and protects and guards young animals. Arranges proper and regular cleaning of animals, sheds and surroundings. Treats animals for minor diseases and injuries and arranges proper medical aid in serious cases. Arranges cleaning and massaging of udder, milking of animals in hygienic manner by

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hand or machine, preserving milk, transporting milk to various dairies and customer or selecting and selling animals etc. as required. Records feed consumed and milk and other products sold. Adopts appropriate measures to quarantine animals in case of epidemic. May get milk pasteurised before sale. May grow and cultivate feed for animals. May raise and exhibit show animals. May brand animals with identifying marks. May separate cream from milk and prepare other milk products like butter, ghee and cheese.

6121.20 Livestock Worker, General performs any combination of following tasks to bed, feed, water, load and unload, weigh, mark and segregate livestock awaiting slaughter in ranch, sales or slaughter yard or in transit. Drives livestock into pens, killing or loading trucks or railway wagons. Weighs animals separately or in truck lots and segregates them according to weight, age, colour, and physical condition. Tags, paints or tatoos identifying marks on livestock to signify ownership or grade of animal. Records weights and grades for each animal processed. Scatters bedding material such as saw dust or straw in pens and maintains supply of water in watering tanks. Feeds livestock with hay, grain, or other prepared feed as required. Cleans pens, using hose, fork, shovel or rake. May apply liniment or other remedies to livestock when illness or injury is detected. May be designated according to task performed.

6121.25 Herdsman; Grazier takes cattle and other domestic animals out for grazing on own or employer's behalf. Collects animals every morning from different houses. Takes them out to available pastures for grazing in field. Keeps watch over them from being lost or strayed. Guards them from eating poisonous and harmful plants or drinking polluted water and indiscriminate mating with stray animals. Identifies animals in heat and arranges for pairing. Collects and counts them in evening and drives them back to their respective places. Ties them at fixed places or hands them over to owners. May render first aid and assist in treating minor injuries of animals. May be designated as **SHEPHERD** if engaged in grazing and herding sheep and goats.

6121.30 Livestock Worker cleans pens, feeding, watering and taking care of livestock. May be designated as **FURBEARING ANIMAL WORKER** if engaged in looking after furbearing animals .

6121.35 Dairy Farm Worker, General attends to dairy farm livestock of resident and nonresident owner. Attends to herd of feeding cows and buffaloes and aiding in calving, dehorning and vaccination. Keeps, barns, stalls, containers and dairy equipment in clean and sanitary condition. Milks cows and buffaloes as required by hand or by machine. May mix and blend feed for farm livestock and keep dairy records such as feed consumed, individual milk production, gestation periods of cows and buffaloes etc. May perform other tasks as directed.

6121.40 Milker; Diary Attendant; Gowala milks, and cleans milch cattle collects various feeds mixes them and feeds animals before milking. Regulates timing of milking. Cleans and disinfects buckets and other containers used in milking in sun or vacuum. Ties hindlegs of animals and washes hind quarter with chlorinated water. Cleans udder with plain chlorinated water and massages them by hand. Disinfects hand by washing with chlorinated water. Adjusts buckets between own legs below udder. Presses udders alternatively with fingers to extract milk from them into bucket. Stimulates flow of milk from udder by repeated supply of feed. Repeats pressing of udders to extract maximum milk. Carries bucket containing milk to specified place of storing. Treats udder and other minor injuries by applying antiseptic powder, ointment, etc. May sell milk. May prepare ghee, butter and cream.

6121.45 Milker; Machine; Milking Machine Operator tends machine to milk diary cows and buffaloes. Guides cows and buffaloes into stanchion and cleans teats and their udder with disinfectant. Squeezes teats to collect sample of milk in strainer cup and examines sample for curd and blood. Starts milking machine and attaches cups of machine to teats of cows and buffaloes. Removes cups when required amount of milk is obtained. Dips cups of machine into disinfectant solution after each animal is milched. Empties milk receptacles and cleans and sterilizes equipment.

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6121.50 Dairy Farm Worker attends farm livestock for milking, cleaning, feeding, render first aid and assist in treating minor injuries of animals. Arranges for mating.

6121.55 Stableman syce grooms, feeds and looks after horses, camels, mules etc., in stables. Grooms animals by brushing, currying, washing them and trimming their manes and tails using hair and metal brushes, clippers and scissors. Waters feeds and exercises animals. Sweeps out stalls and spreads fresh straw. May treat sick or injured animal according to his knowledge or may report their condition to **Veterinarian** and follow his medical advice. May harness or saddle animals. May repair and recondition harness. May train animals for riding or for pulling carts, tongas, etc. May take animals out for grazing.

6121.60 Elephant Keeper tends and looks after feeding, washing and exercising of tame elephants and supervises general cleanliness of their stables. Tethers elephants to ground anchor with chains, fastened round front and hind legs. Leads elephants to watering places and scrubs their hide to remove dirt, ticks and parasites. Inspects them for sickness or injuries and reports uneasiness or ailments to **Mahout** or **Veterinarian**. Treats elephants as directed by them. Gathers fodder and feeds animals with 'masalas' (Special food mixture). Files foot nails and sweeps refuse from stables. Straps 'houdah' (riding arrangement) on its back and prepares elephant for ride, when desired. May polish and maintain 'houdah' and paint forehead and trunk of elephant with attractive design on ceremonial occasions. May act as guide and answer queries of visitors. May cut off excessive growth of tusk by sawing under guidance of **Mahout**. May assist in training wild elephants and tending young calves. May ride elephants in absence of **Mahout**.

6121.65 Shearer, Sheep collects sheep at shearing yard. Shears wool closely from sheep, clipping carefully to avoid cutting or nicking its skin. Gathers black and white wool in separate piles. Keeps clippers sharpened. May deliver wool to storing yard.

6121.70 Shearer Animals cuts with scissors or clippers hair or bristles of its skin. Gathers black and white wool in horses, camels, pigs and other animals, not elsewhere classified. Ties and immobilises animal before clipping. Selects suitable clipping instrument and closely clips hair or bristles taking care not to cut or nick its skin. Maintains and sharpens tools. May sort bristles according to size and quality.

6121.75 Grass Cutter cuts grass from fields and gardens with sickle or other grass cutting implements, for feeding cattle or other animals. Mixes different varieties of grass to make feed palatable to animals. Carries grass to stable or to market for sale. Keeps tools sharp. May feed grass to animals. May cut hay and other fodder into small pieces with hand or mechanically operated chopper.

6121.90 Dairy and Livestock Producers, other include those who plan and carry out the necessary operations to breed, raise and tend livestock to be used as working, sporting, or pet animals, as well as for meat, milk, hair, hides and other products for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets not elsewhere classified.

6122 POULTRY PRODUCERS

Poultry producers plan and carry out the necessary operations to breed, raise and tend poultry for sale or delivery of eggs, meat or feathers on a regular basis to wholesale buyers, marketing organisations or at markets

6122.10 Farmer, Poultry owns and manages poultry farms to raise fowls, chicken, ducks, etc. for eggs and table use, and sells produce. Determines varieties of poultry to be raised. Selects and buys fertile eggs, incubators, feed, chicken, ducks, etc. Constructs brooder houses for chickens and pan for adult birds. Provides heating arrangements, as required by different types of stock. Gets poultry area cleaned. Treats minor disease of birds and arranges medical aid in serious cases. Gets them vaccinated at proper ages. Isolates and treats or properly disposes of failing birds and takes measures against spread of epidemic. Determines

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amount of basic feed required, prepares it or gets it done and feeds birds at prescribed hours. Adopts measures to avoid feed waste, water contamination, protection from wild animals and thieving. Provides them fresh water to drink, prevents them from wandering and being lost and from eating poisonous stuff or drinking polluted water. Rears young stock carefully. Hatches eggs through natural process of providing heat for specified period by stock themselves and through incubators. Keeps record of breeding. Estimates cost on feed and other items of expenditure on poultry farm and fixes selling prices for eggs of different grades and stock of different grades and stock of different ages and pedigree. Packs and prepares stock of eggs for transportation. May operate both kerosene and electrical incubators. May raise and exhibit select stock. May specialise in breeding any particular type of poultry stock. May grow and cultivate feed.

6122.20 Farmer, Poultry Breeding raises purebred chickens or other fowls. Purchases stock fowl according to egg production, size, prizes won, or other reasons. Selects and pairs birds for breeding or breeds them by artificial insemination. Arranges with buyers for sale of pedigreed eggs and pedigreed chicks.

6122.30 Poultry Farm Worker, General attends to poultry stock to raise hens, chickens, turkeys and other poultry for egg production and sale as meat. Feeds poultry, cleans cages, nests and brooder houses. Sprays poultry houses with disinfectants and observes poultry for indications of diseases such as fowl pox, bronchitis and coccidiosis. Places vaccines in drinking water, injects vaccines into poultry or dusts air with vaccine powder to vaccinate poultry against diseases. Maintains feed and production records. May incubate fertile eggs. May kill and dress poultry.

6122.40 Hatchery Operator; Hatcheryman operates incubators to hatch eggs. Sets and adjusts mechanism of incubators to maintain required degree of temperature at different stages of incubation. Marks ownership and dates of setting eggs. Sets them on tray and places it into incubator. Inserts and places nursery tray

after filling hot water into water channels provided in it (nursery tray) for creating humidity. Adopts disinfection technique to avoid contamination of hatchery. Turns eggs everyday in different positions for specified period. Removes newly born chicks to Foster-mother (chamber containing two parts having one burning lamp beneath to provide required extent of heat). Keeps and maintains breeding records. May operate electrical incubator having automatic devices of controlling temperature and turning eggs. May raise select poultry and sell quality eggs. May demonstrate operations of various types of hatchery plants to develop hatching of eggs. May suggest effective measures to employer for better results.

6122.90 Poultry Producers, Other include all other workers engaged in hatching eggs and poultry farming operations, not elsewhere classified.

6123 APIARISTS AND SERICULTURISTS

Apiarists and Sericulturists plan and carry out the necessary operations to breed, raise and tend insects such as honey bees, silk worms or other species, for sale or delivery of honey, beeswax, silk cocoons, on a regular basis to wholesale buyers, marketing organisations or at markets.

6123.10 Bee-Keeper rears honey bees for production of honey, bee-wax, bee-venom, royal jelly, pollination of crops etc. Selects suitable place for rearing bee-colonies. Purchases complete beehive box provided with frames for forming honeycombs. Purchases and affixes foundation wax in half portion of each frame and places them in beehive boxes. Catches and induces bees into box and transfer bees from over subscribed beehives. Creates beehive colony consisting of queen-bee, worker-bees and drones. Inspects hives to locate formation of surplus queen-shells. Catches or destroy surplus queen-shells. Remains vigilant to catch swarming queen and bees with help of swarming net and keeps them in hives to start new colonies. Cleans hives and remove dirt. Detects and removes wax moth before it spreads into different combs. Feeds bees with sugar solution when necessary. Keeps hives on stools with their legs dipped in

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water bowls to prevent ants from attacking hive. Covers hives with wire nets for protection against birds. Wears hand gloves and bee-veil while at work to protect self against bee-stings. Watches flow of honey into upper chamber and frequently checks process of sealing of frames. Removes honey filled frames from upper chamber of beehive box and replaces fresh unfilled ones periodically depending on flow of honey. Brushes bees surrounding comb and removes seal of comb using knife. Places cut comb into honey extractor. Presses extractor on honey filled comb to extract honey into its chambers. May apply crude method of extracting honey from beehives located on roof or tree by keeping off bees with help of fire smoke, gaining access to hive and opening comb with knife for extracting honey.

6123.20 Rearer, Silk Worm rears silk worms to raise cocoons for production of silk. Selects and purchases eggs of silk worms for hatching. Arranges equitable conditions of temperature and humidity in rearing room. Spread eggs on cards in trays and incubates them in temperature controlled room. Transfers worms from egg cards on bed of tray by gently striking them with finely cut mulberry or castor leaves. Cuts adequate supplies of selected thin, medium and coarse mulberry or castor leaves, as necessary into small pieces with knife and sprinkles them evenly over worms for feeding. Repeats process of feeding for about one month. Changes feed from thin to medium and medium to coarse leaves as worms grow. Removes un-consumed leaves from tray. Observes development of worms and periodically arranges their proper spacing in tray. Watches process of shedding or casting skin of which takes place four times in one month. Detects diseased worms and takes measures to remove and destroy them quickly. Watches development and maturity of larva, shaping into spinning cocoon round its body. Collects cocoons formed out of cross breed larva for production of silk and allows larva of pure race to develop into moth for multiplying breed Grades. May sell cocoons. May cultivate mulberry or castor plants. May keep complete record of laying and hatching of eggs. May conduct research and demonstrate experiments. May develop

high breed worms. May rear tussor and muga silk worms outdoor.

6123.90 Apiarists and Sericulturists, other include all other who plan and carry out the necessary operations to breed, raise and tend insects, for sale or delivery of honey, beeswax, silk cocoons, on a regular basis to wholesale buyers, marketing organisations or at markets not elsewhere classified.

6124 MIXED ANIMAL PRODUCERS

Mixed animal producers plan and carry out the necessary operations to breed, raise and tend different types of livestock, such as cattle, sheep, pigs, goats and horses, as well as poultry, and to produce apiarian and sericultural products, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6129 MARKET ORIENTED ANIMAL PRODUCERS AND RELATED WORKERS NOT ELSEWHERE CLASSIFIED

This Family covers market-oriented animal producers and related workers not classified elsewhere in Group 612, Market-oriented animal producers and related workers. For instance, those occupations should be classified in this Family that involve breeding, raising and tending wild animals, game birds and other birds, snails, non-domesticated fur-giving animals, snakes and other reptiles, as well as various insects and animals used for laboratory tests, for sale or delivery on a regular basis to wholesale buyers, marketing organisations, zoos and circuses, or at markets. In this Family occupations should be classified those also involve looking after and training of animals in animal reserves, stables, zoos, circuses, research organisations, animal homes, and similar institutions.

6129.10 Farmer, Fur-bearing Animal manages farm to breed and raise fur-bearing animals for their pelts. Buys or captures breeding stock. Breeds and raises animals in surroundings simulating their habitat. Feeds and waters animals and cleans their pens and yards. Kills animals in their prime and removes their hides. Packs hides in crates

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and transports them for processing, treating and preservation. Arranges with buyers for sale of hides. May treat and preserve hides at farm. May breed stock animals and be designated according to type of animal breed or raised.

6129.90 Market-Oriented Animal Producers and Related Workers, other include those which involve looking after and training of animals in animal reserves, stables, zoos, circuses, research organisations, animal homes, and similar institutions not elsewhere classified.

613 MARKET ORIENTED CROP AND ANIMAL PRODUCERS

Market oriented crop and animal producers plan and carry out the necessary operations for mixed farming of the kind that produces a combination of both crops and animals and related products, for delivery or sale on a regular basis to wholesale buyers, marketing organisations or at markets.

6130 MARKET ORIENTED CROP AND ANIMAL PRODUCERS

Market oriented crop and animal producers plan and carry out the necessary operations to grow and harvest field, tree and various other crops, as well as to breed, raise and tend animals and to produce a variety of animal husbandry products, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

6130.10 Artificial-breeding Technician collects and packages bull semen for artificial insemination of cows: Attaches rubber collecting sheath to genital organ of tethered bull, and stimulates animal's organ to excite ejaculation. Examines semen, using microscope, to determine density and motility of gametes, and dilutes semen with prescribed diluents according to formulas. Transfers required amount of semen to container, using titration tube, and labels it with identifying data, such as date taken, source, quality, and concentration, and records similar data on file cards. Packs container of semen in dry ice or liquid nitrogen for freezing and storage or shipment. May inseminate cows

6130.90 Market Oriented Crop and Animal Producers, other include those who plan and carry out the necessary operations to grow and harvest field, tree and various other crops, as well as to breed, raise and tend animals and to produce a variety of animal husbandry products, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets not elsewhere classified.

614 FORESTRY AND RELATED WORKERS

Forestry and related workers plan and carry out the necessary operations to cultivate, conserve and exploit forests, for sale or delivery of forestry products on a regular basis to wholesale buyers, marketing organisations or at markets not elsewhere classified.

6141 FORESTRY WORKERS AND LOGGERS

Forestry workers and loggers carry out the necessary operations to cultivate, conserve and exploit forests, for sale or delivery of forestry products on a regular basis to wholesale buyers, marketing organisations or at markets.

6141.10 Forester; Forest Range Assistant develops nurseries, raises plantations and supervises duties of **Forest Guard** and **Forest Fire Watcher** and assists **Forest Ranger** in development of forest and exploitation of its produce. Raises nurseries of various plants required for afforestation. Raises plantations from replanted seedlings. Arranges for weeding, marking and felling of trees within his block and issues transit and other passes. Supervises fire-fighting operations and protects forest produce from theft and poaching. Maintains records of timber felled for sale. Enquires and reports occurrence of theft, fire, illegal cultivation, etc. to higher authorities. Supervises work of mazdoors engaged in forest work, maintains their muster roll and arranges payment of their wages. May estimate quality and volume of wood available in his section. May collect grazing fees and compensation for offences.

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6141.15 Forest Guard; Forest Beat Guard patrols allotted beat in forest area for preservation of forest and games. Supervises preparation of nursery beds, sowing of seeds, and nursing of growing plants. Patrols forests to detect fires, eliminate fire hazards and theft of forest produce. Cuts climbers with bill-hook to prevent damage to plants. Apprehends offenders of forest laws and reports to superiors. Supervises work of mazdoors engaged in forest work and maintenance of forest roads, paths and fire lines in his beat. May estimate volume of timber and grade trees according to quality. Is designated as **DEPOT GUARD** if engaged at sale depot.

6141.20 Forest Fire Watcher; Reserve Watcher patrols specified forest area to detect, prevent and control forest fires. Clears fire lines in forest to localise fire within limited areas and keeps watch for out break of fires. Summons local people and fights forest fire by cleaning areas, digging trenches, spraying water, sand, etc. Reports, occurrence of forest fire to **Forest Guard** or **Forester** as required. Clears trees of climbers with bill-hook and keeps paths swept of laves and twigs. May extinguish fire by chemicals if available.

6141.25 Foresters and Related Workers perform various miscellaneous tasks in preservation of forests extension of forest and include occupations such as those relating to collecting, preparing and storing of seeds; raising seedlings; transplanting seedlings in afforestation area; protecting trees from insects, diseases and animals; marking felled trees etc.

6141.30 Gatherer, Lac; Lac Cultivator infects host-trees with lac insects and collects matured lac from them by scrapping or clipping off lac-bearing sheets. Ties brood-lac to fresh host-trees with young shoots for transferring lac infection and allows larvae to grow on trees for specified period to attain maturity. Scrapes and collects matured lac from infected trees using knife, allowing part of lac to remain fixed, with trees for further growth of larvae. Stores collected lac in godown for further processing.

6141.35 Gatherer, Medicinal Herbs collects leaves, fruits, roots etc. of herbs or other plants for preparation of different kinds of medicines. Visits gardens, forests and jungles and collects samples of dried fruits, leaves, seeds and roots of medicinal plants. Cleans foreign matter from herbs by washing them with water and gets them examined by **Chemists, Hakim** or **Vaid**. Collects green herbs and dries them in sun for storage and supply.

6141.40 Gatherer, Firewood cuts and collects wood from forests or fields for sale in market as fuel. Visits forest or fields and picks pieces of dried wood from ground and piles them in heaps. Pulls down dry and weak branches of trees using small axe, sickle or large knife. Cuts decayed branches and trunks of trees using axe and hand-saw. Digs out roots of fallen trees using shovel and axe; Ties collected wood into small faggots and carries them on head or transports them in cart to market for sale. May assist in cutting large trunks of dry trees using saw and axe.

6141.45 Cane Cutter cuts mature sugar cane in fields using broad bladed knife or sickle. Examines sugar cane plant by sight and by feel of hand to ascertain its maturity and required pliability. Cuts matured plant at base using sickle or knife and pulls off side leaves of cane stalk with hook and cuts its unusable top portion with knife. Places cut stalks in piles for loading into carts. May load cane in carts or carry stalk on head for weightment.

6141.50 Thatch Cutter cuts straw or rushes in grass land or forest for roofing of huts and other uses. Cuts matured green straw using sickle or scythe. Ties cut green straw into sheaves of convenient thickness and allows them to dry in sun and shuffles stacks once or twice to allow green sheaves at bottom to get dried. Removes by hand or through cart dried straw from field to safe place for storage. May cut and collect fodder for cattle.

6141.55 Log Feller; Tree Feller cuts down tree using axe, saw, etc. for timber and fire wood. Inspects tree to determine mode of felling such as cutting through stem, digging out root from earth, etc. Climbs tree and

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lops off branches, using axe, bill hook, and hand saw. Cuts stem from bottom using axe and saw. Determines direction to which tree should fall, considering vacant ground, slope of land inclination of stem etc. Fastens one end of rope on top of stem and gets free end pulled by others while cutting at root. May dig up root from ground using spade. May fell small trees by uprooting them. May fill and level space from where trees are removed. May plant new tree.

6141.60 Wood Cutter cuts felled trees into logs of required size. Trims branches of fallen tree using axe and handsaw. Cuts stem into beams, billets or logs of required size. Separates usable timber from fuel wood with axe and saw. May split remaining portion of log to small sizes for fuel.

6141.65 Marker, Log measures and determines volume of timber in each log. Measures girth, diameter and length of log using tape to determine volume of log. Marks length and diameter on log ends with ink, coloured chalk or paint.

6141.70 Sandal Wood Extractor extracts sandal wood from sandal wood trees by felling trees and removing sap wood from trunks, branches and roots using axe, adze and saw. Cuts off thin branches and twigs from tree trunk using axe or saw. Removes bark and sap wood of tree trunks, branches and roots carefully by chipping with adze or bill hook ensuring not to cut through heart wood. Cuts trunks, roots, branches into billets of suitable length using hand saw. Removes carefully layer of sap wood from billets using axe or hand adze ensuring to protect heart wood from being damaged or cut through. Delivers finished sandal heart wood billets to superior. Collects sandal wood dust from floor and accounts for it separately.

6141.75 Estimator, Timber; Enumerator, Timber estimates volume of standing timber in enumerated trees by surveying forest, examining and measuring sample trees, etc. Studies list of enumerated trees supplied by forest department. Visits enumeration plots in forest and measures length and girth of selected sample trees to estimate cubic content of available timber. Inspects

enumerated trees to grade them according to quality of timber by making sample cuts. May identify type of timber visually.

6141.80 Sorter, Timber sorts out and grades timber according to quality of wood. Examines cut timber and separates decayed or damaged wood for fuel. Grades selected timber according to quality, maturity and size. May estimate volume of wood. May auction sale fuel wood to retail or wholesale dealers.

6141.85 Log Driver drives logs down stream from logging sites to mills. Rolls logs from landing into river, using cant hook or stout lever fitted with strong spike. Guides logs around obstruction and into current of stream from bank, boat, or floating logs using pike pole. Pulls or rolls key logs from jams to release logs from obstruction using stout lever with spike or pike pole. May collect logs in booms or rafts to retain logs at mill.

6141.90 Loggers and Forestry Workers, Other perform number of miscellaneous tasks in forest and include workers not elsewhere classified such as those engaged in sawing, weeding, collecting felled trees, transporting logs, repairing forest road, etc. and are usually known as **FOREST LABOURERS**.

6142 CHARCOAL BURNERS AND RELATED WORKERS

Charcoal burners and related workers carry out necessary operations to convert wood in to charcoal or to extract crude turpentine from wood, using traditional techniques.

6142.10 Charcoal Burner, Wood operates kiln at wood felling site to convert wood into required quality and type of charcoal by slow burning process. Stacks wood in convenient sizes in kiln. Places kindling in kiln to start fire. Seals top of kiln when desired heat is reached with mud plaster. Observes colour of smoke as it emits through draught holes in kiln bottom to determine proper burning of charcoal. Regulates formation of charcoal by opening and closing draught holes as required. Smothers fire when charcoal has been formed by sealing cracks and draught

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holes with mud plaster. Removes charcoal with shovel when kiln cools down.

6142.20 Digester Operator, Wood operates digester to extract crude turpentine, quinine, catechu(Kachu), etc. from wood-chips or barks of specific species of trees by boiling them in water. Gets digester filled with wood chips or bark, chemicals and water. Releases steam into digester. Adjusts temperature and pressure at specified level by manipulating steam valves. Cooks wood-chips or barks for required time. Tests samples by titration or standard colour test to determine completion of cooking process. Drains liquid from digester into drums for further processing. May do minor repairs to equipment. May operate simple devised wet plant. May operate wood chipper.

6142.30 Distiller, Turpentine and Eucalyptus; Distillery Operator operates still to refine crude turpentine or eucalyptus oil obtained from wood or leaves. Operates manipulating valves and charges still with crude turpentine or eucalyptus oil at regulated rate of flow. Connects outlet tubes of still to receiving jars or containers. Closes openings and inlets of still. Sees that cold water is circulating inside condensing unit. Manipulates steam injection valves to allow still to be heated up to prescribed degree of temperature. Checks meter reading and maintains heating at required temperature for prescribed period. Lets oil vapour pass through coolers to get condensed into oil and water. Observes oil and water being collected in different containers. Directs pumping of primary bulk oil to over head measuring tank for further processing. Watches progress and manipulates valves at proper time during processing to extract oil from coils. May operate still to extract essential and other medicinal oils. May fill bottles with distilled oil in prescribed quantities.

6142.40 Lac Treater; Lac Worker treats or processes raw lac by grinding, washing and drying to make pure or seed lac for making lac polish, varnish, sealing, wax, etc. Washes raw lac in water and chemicals to remove impurities, dead insects and dye matter. Dries washed lac (seed lac) in open. Dissolves seed lac in spirit and linseed oil or in any one of them in prescribed proportion.

Filters solution through cloth bags or filters and collects filtered liquid called lac varnish or polish in containers. Boils bag waste in water with washing soda. Collects wax floating on water and cools it to become lac wax. Makes powder of seed lac, rosin, chemicals and colour compound in prescribed quantities. Heats mixture to prescribed temperature. Adds turpentine to heated mixture or molten solution. Pours molten composition into special moulds with cooling arrangement. Removes moulded sealing wax from mould after specified period.

6142.90 Charcoal Burners and Forest Product Processors, Other perform various miscellaneous tasks in connection with charcoal burning and processing of forest product and include workers not elsewhere classified such as **LAC HELPER** attends to cleaning and drying of raw lac, cleaning of tools and equipment and attends to routine low skilled tasks connected with processing of lac and making of lac products.

615 FISHERY WORKERS, HUNTERS AND TRAPPERS

Fishery workers, hunters and trappers catch, breed and cultivate fish and other forms of aquatic life, or hunt and trap mammals, birds and reptiles, for sale or delivery, on a regular basis, of the animals or animal products to wholesale buyers, marketing organisations or at markets.

6151 AQUATIC-LIFE CULTIVATION WORKERS

Aquatic-life cultivation workers breed and raise fish and cultivate mussels, oysters and other forms of aquatic life, for sale or delivery, on a regular basis to wholesale buyers, marketing organisations or at markets.

6152 INLAND AND COASTAL WATER FISHERY WORKERS

Inland and coastal water fishery workers, alone or as members of fishing- vessel crews, catch fish or gather other forms of aquatic life in inland or coastal waters, for sale or delivery, on a regular basis to

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wholesale buyers, marketing organisations or at markets.

6152.10 Fisherman, Inland Waters fishes in inland waters, rivers, tanks, channels, creeks etc. using different types of nets and other fishing gears according to type of fish to be caught. Goes singly or with other fishermen in boats, dinghees or canoes with necessary equipment. Throws or fixes different types of fishing nets and gears such as gill nets, cast nets, drag nets, bag nets, long lines etc. in area to be fished. Drags nets and gears and other equipment of boat. May salt fish for preservation. May operate power driven boats. May repair boats. May catch fish with hook and line using bait or artificial lures.

6152.20 Fisherman, Estuaries, Coastal and Backwater fishes in estuaries, coastal and back waters using different types of nets and gears according to nature of fish to be caught and type of fishing area. Goes in boat, canoe or catamaran with fishing nets and gears. Lays either singly or with other fishermen different types of fishing nets and gears such as drag nets, stake nets, basket traps, dip nets in coastal and back waters. Pulls or drags net or gear to surface of water after some time to collect fish caught and puts catch in hold (storage space) of boat. May stand on shore or rock and pull net to shore to collect fish. May operate power driven boats. May repair boats. May use torch and spear or harpoon to catch fish (torch fishing).

6152.30 Diver, Pearl dives to sea bed to collect pearl oysters or chanks. Sets sail in boat and goes long distances on sea usually alongwith other divers, **Rock Pilot** and **Man Duck**. Removes sails of boat and anchors it in sea as directed by Rock Pilot. Dives to sea bed (50 to 60 feet in depth) by holding one end of rope, tied with heavy weight which is released into sea by **Man Duck** or someone else in boat. Releases hold on rope on reaching sea-bed, gathers by hand pearl oysters or chanks, and fills them in bag tied to his waist. Returns to surface of sea and hands over oysters or chanks to mate in boat. Repeats process to collect more oysters or chanks. May do chank diving during off seasons. May do deep sea fishing using different types of nets during off seasons.

May operate power driven boats for fishing in deep sea waters.

6152.40 Diver, Chank dives to sea bed to collect chanks used for making bangles and like articles. Sets sail on boat and goes out to sea along with other divers, **Rock Pilot** and **Man Duck**. Removes sail and anchors boat in Sea as directed by **Rock Pilot**. Holds one end of rope, fixed with heavy weight and released into sea and dives to sea bed. Releases hold on rope, collects chanks by hand and fills them in bag tied to waist. Returns to surface, hands over collection to mate in boat and repeats operation. May do pearl diving during pearl diving seasons. May operate power driven boats and do deep sea fishing.

6152.50 Coral Breaker dives to sea-bed to break and collect corals using crow bar or sharp tool. Goes singly or with groups of Fishermen in boats to places where coral exists. Dives to sea bed (8 to 10 feet in depth) taking crow bar or sharp tool. Breaks blocks of coral found attached to rocks with crow bar or other sharp tool. Lifts released corals to surface, loads them in boat and brings them to shore. May also fish in deep waters and catch fish using different types of nets.

6152.60 Shell Gatherer dives to sea-bed and collects or gathers by hand molluscs, crustaceans and other fancy shells. Dives to sea-bed (20 feet in depth) and gathers by hand different types of shells such as clams, oysters, mussels, crabs etc. Comes to surface with catch and stores them. Repeats process as required. May gather sponges if desired. May operate power driven boats and fish in deep waters. May wash and clean shells. May go to sea shore at low tide and collect shell fish, crabs etc. from inshore area.

6152.70 Seaweed Gatherer collects by hand, from bottom of sea, different varieties of sea-weed used for medicinal purposes. Dives to floor of sea (in shallow waters). Pulls out sea-weed attached to rocks and stores in boat. May collect sponges if required. May also fish in deep waters and catch fish using different kinds of nets or fishing tackles.

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6152.90 Inland and Coastal Water Fishery Workers, other include those who alone or as members of fishing- vessel crews, catch fish or gather other forms of aquatic life in inland or coastal waters, for sale or delivery, on a regular basis to wholesale buyers, marketing organisations or at markets not elsewhere classified.

6153 DEEP-SEA FISHERY WORKERS

Deep-sea fishery workers, as members of fishing vessel crews, catch deep-sea fish, for sale or delivery, on a regular basis to wholesale buyers, marketing organisations or at markets.

6153.10 Fisherman, Deep Sea catches fish in deep sea or in shore and off-shore waters using different types of fishing gears and nets depending on type of fish to be caught. Sets sail in boat or canoe and goes with other fishermen long distances on sea. Selects area to be fished and lays different types of nets or fishing gears such as gill net drift net, drag net, hook and line with bait or artificial lures, etc. Drags net or hook and line to surface and collects fish caught in it. Puts fish in hold (storage space) of boat. Repairs or mends nets as necessary and maintains fishing gears. May salt and dry them for preservation. May sail in trawlers and operate power driven boats.

6153.90 Deep-sea Fishery Workers, other include all those who as members of fishing vessel crews, catch deep-sea fish, for sale or delivery, on a regular basis to wholesale buyers, marketing organisations or at markets not elsewhere classified.

6154 HUNTERS AND TRAPPERS

Hunters and trappers catch and kill mammals, birds or reptiles mainly for meat, skin, feathers and other products, for sale or delivery, on a regular basis to wholesale buyers, marketing organisations or at markets.

6154.10 Hunter; Shikari hunts wild animals, birds, fish or other game using firearms, spears, nets, fishing rods or other weapons for skin, meat, or extermination, or to provide sport. Plans hunting programme, selects area of operation and obtains permit,

if required by game laws. Collects advance information, locates presence of game in particular spot or track by smell, foot-prints or other signs. Visits hunting ground singly or with party at appropriate time in morning, evening or night. Fixes light, nets etc. and takes position in case of small games such as wild birds, fish etc. Stakes out bait such as goat or calf to attract big game like tigers or panthers or arrange for beaters to drive animals towards specified spot. Kills or guides hunters in killing animals with fire-arms or other weapons. May net small game. Keeps hunting equipment in good condition. May take position in machan (platform built in high trees) or in camouflaged hiding spot. May follow tracks on foot or elephant. May skin animals and cure pelts. May market catch. May specialise in particular game.

6154.20 Guide, Hunting; Shikari Agent guides parties of Hunters and assists them in planning and conducting hunt. Contacts **Hunters**, fixes remuneration and plans trip using his knowledge of hunting area. Arranges to obtain hunting permit if required. Instructs clients about game laws, hunting methods, use of equipment, safety precautions etc. Arranges for such items as beaters, elephants, bait, construction of 'Machan' (platform built in high trees) and camping facilities as required according to nature of game and method of hunting. Accompanies hunting parties of location and advises in shooting game. Assists in carrying gear, equipment, and killed animals. May arrange transport, cooking of food, curing of skin and bedding and other items. May arrange with travel agencies for hotel reservations and travels facilities.

6154.30 Trappers catches birds or wild animals alive by means of traps, snares and nets for meat, skin or sale. Selects location, sets bait and camouflages traps. Removes captured game. May kill and skin captured animals, exercising care not to damage pelt. May treat and market pelt or sell animal. May specialise in catching particular type of game. May prepare nets, cages and other snares for trapping animals and birds.

6154.40 Tracker; Labourer, Hunting locates rest places and hide outs of wild animals by finding their pug marks, kills,

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remain of meals etc. and following clues to track down their hide-outs. Observes foot prints and marks on ground, water hole, grass, foliage, twigs, remains of meals etc. and identifies animals. Selects sites and erects machans (observation post) in trees for hunters. May be familiar with use of weapons such as fire arms, spears, knives, etc. May drive wild animals by beat of drums to bring them within firing range of **Hunters**.

6154.90 Hunters and Trappers, other include all those who catch and kill mammals, birds or reptiles mainly for meat, skin, feathers and other products, for sale or delivery, on a regular basis to wholesale buyers, marketing organisations or at markets not elsewhere classified.

6159 FISHERMEN, HUNTERS, TRAPPERS AND RELATED WORKERS, n.e.c.

This Family covers Fishermen, Hunters, Trappers and Related Workers not elsewhere classified in Group 615 Fishery Workers, Hunters and Trappers. Workers in this Family are associated with hatching fish, making nets, catching fish, collecting shells, sponge, pearls, etc., from sea and coastal waters, making fish meal and other related tasks.

6159.10 Fish Overseer; Fish Cultural Officer; Extension Officer, Fisheries; Sub-Overseer, Fisheries maintains fish collection centres fish farms, etc. and advises people in proper methods of fish culture. Looks after fish collection centres, fish farms, etc. and ensures their proper maintenance. Demonstrates correct methods of fish farming, fish culture, etc. to public to achieve improvements in these fields. May assist **Fisheries Inspector** in transporting fish seed to different fishery stations.

6159.20 Fisheries Inspector; Fisheries Sub-Inspector demonstrates, supervises and controls work of staff engaged in fish collection, sale, curing and demonstration centres. Demonstrates to public proper methods of fish culture and storing. Supervises sale of fish to public and proper maintenance of fish curing yards. Issues

licences to **Fishermen** for fishing in State Waters(including back waters), use of china net, stake net, lime shell gathering etc. and conducts regular patrol to prevent illicit fishing. Surveys area under jurisdiction for fish breeding, stocking, etc. and to assess potentiality of water area. Executes development schemes such as mechanisation of fishing crafts, financial assistance to **Fishermen**, training of **Fishermen** etc. Guides preparation of fish meal. Determines chemical ingredients necessary for fish culture in ponds, tanks, rivers etc. and arranges for supply and transport of fish seed and fingerlings to **Fishermen** and other areas under proper conditions. Performs other official duties such as collection of revenue, sending reports for publication in gazette, etc. as necessary. May listen to grievances of **Fishermen** and take necessary measures to remove them.

6159.25 Fieldman, Fish; Supervisor, Fish arranges transport of fish to different places and supplies, fish seed to purchasers for growth in tanks, wells, rivers, etc. Breeds fish in special tanks or ponds and collects fish seeds and fingerlings. Transports them to areas where required. Sells fish caught in rivers, lakes, sea, etc. to public and maintains necessary records.

6159.30 Yard Officer; Petty Yard Officer; Yard Master; Yard Manager(Fish) guides and ensures curing of fish according to prescribed standards. Checks weight of fish received for curing. Issues prescribed quantity of salt for curing and guides curing as necessary. Ensures that salted fish are dried in sun in curing yards for prescribed period and that they are properly packed. Directs preparation of fish meal, etc. Maintains technical laboratory and supervises working of its staff. May collect fish statistics in his area.

6159.35 Fish Hatcher hatches fish in small tanks and releases hatched fish or fingerlings into public tanks, rivers, etc. for growth. Observes habits of fish in artificial ponds and creates favourable natural conditions as far as possible by planting of weeds and plants in water, keeping water at required temperature etc. for hatching of fish. Transfers fish seeds to different ponds for hatching and growth. Changes water in pond

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or tank periodically as guided by **Pisciculturist**. Collects fingerlings or fish seed of different sizes and varieties and puts them in water in metal containers. Transports containers to desired areas and releases fingerlings in public rivers, tanks, ponds, etc. Assists **Pisciculturist** in experimental farms in transporting and releasing fish in water, feeding them etc. May sell fish caught in public waters, if necessary.

6159.40 Fish Curer salts, cures and preserves fish to prevent putrefication and for use over long periods. Washes fish with water and cuts off head, fins, tail etc. as necessary. Opens out stomach with knife and removes viscera, gills etc. to prevent putrefication. Applies salt to cleaned fish either one by one or in lot to preserve them. Stacks salted fish for required period and shuffles them as necessary at specified intervals. Takes fish out of stack and washes them if necessary. Spreads fish in open on mats or bamboo to dry them in sun. May pack fish for transporting them to other areas. May dry fish in sun with or without cleaning and salting particularly in case of seeds and small fingerlings.

6159.45 Fish Meal Maker makes fish meal powder by dehydration, drying and grinding processes for use as food for poultry, etc. Feeds fresh fish into hand press to remove water and oil. Dries pressed fish in sun. Cuts dried fish into small pieces and grinds them to powder by machine. Packs fish meal powder in containers.

6159.50 Rock Pilot leads pearl and chank divers see and points out area for chank and pearl fishing. Acquires knowledge and condition of sea by intuition, heredity, state of rock formation, etc. Goes out in boats to sea with **Divers**. Points out area where pearls sea, inland and off-shore fishing.

6159.55 Man Duck helps **Pearls** and **Chank Divers** in various diving operations, connected with pearl and chank fishing. Rows boats to distant places in sea. Releases rope with heavy weight attached above and held by Diver to dive into sea. Hauls Pope to surface when **Diver**, reaches sea-bed and releases it. Throws rope to **Diver**, by hand, if he gets separated for away from boat to

enable him to catch it and reach boat. Receives pearl oysters or chanks gathered by Divers and deposits them in baskets. May fish in deep sea or inland waters using different types of nets and tackles.

6159.60 Net Maker makes fishing nets and mends torn or worn out ones using wooden needle and thread. Fabricates nets to required measurements to catch different types of fish. Removes weeds entangled in nets during fishing and spreads them on shore for drying. Examines nets for torn or worn out parts and sews them with wooden needle and nylon, cotton or hemp threads using different knots as required. Ties new floats or weights to nets. May tan and preserve nets. May fish in deep sea or inland waters using different kinds of nets. May assist **Fishermen** in dragging net with catch or boat to shore after fishing.

6159.90 Fishermen, Hunters, Trappers and Related Workers, other perform varieties of routine and low-skilled tasks in cutting and washing fish, boiling fish liver, preparing fish manure, etc. and are designated :

Fish Cutter cuts open fish using knives, saws etc. for fish curing. Removes fins, head. Large bones etc. of fish by cutting them away with knife, saw etc. Cuts fish with hand knife to suitable sizes for curing.

Fish Cutter and Washer removes fish gut and liver and washes fish for curing. Cuts with knife along abdomen. Removes liver, viscera, gills and gut of fish. Washes fish in water to remove blood and impurities.

Fish Liver Boiler boils shark liver in water to collect shark liver oil. Collects liver from sharks. Cuts liver to small bits and washes them in clean water. Puts parts of liver in boiling water. Skims off oil floating in boiling water. Collects oil in containers and sends it for refining.

Fish Manure Maker prepares fish manure by dumping fish in compost pits and removing them after decomposition. Digs pits of different sizes, dumps fish into pit and closes it with earth. Allows fish to decompose. Opens it after specified period and removes fish manure from pit.

NATIONAL CLASSIFICATION OF OCCUPATIONS

62 SUBSISTENCE AGRICULTURAL AND FISHERY WORKERS

Subsistence agricultural and fishery workers grow and harvest field or tree and shrub crops, grow vegetables and fruit, gather wild fruits and plants, tend or hunt animals, catch fish and gather other forms of aquatic life in order to provide food, shelter and a minimum of cash income for themselves and their households.

620 SUBSISTENCE AGRICULTURAL AND FISHERY WORKERS

Subsistence agricultural and fishery workers grow and harvest field or tree and shrub crops, grow vegetables and fruit, gather wild fruits and plants, tend or hunt animals, catch fish and gather other forms of aquatic life in order to provide food, shelter and a minimum of cash income for themselves and their households.

6200 SUBSISTENCE AGRICULTURAL AND FISHERY WORKERS

Subsistence agricultural and fishery workers grow and harvest field or tree and shrub crops, grow vegetables and fruit, gather wild fruits, medicinal and other plants, tend or hunt animals, catch fish and gather other forms of aquatic life in order to provide food, shelter and a minimum of cash income for themselves and their households.

6200.10 Tree Trimmers and Pruner cuts away dead or excess branches from trees or shrubs to maintain right-of-way for roads, sidewalks, or utilities, or to improve appearance, health, and value of tree. Prunes or treats trees or shrubs using handsaws, pruning hooks, sheers, and clippers. May use pruning hooks, sheers, and clippers. Climbstruck-mounted lifts and power pruners. May fill cavities in trees to promote healing and prevent deterioration. Cuts away dead and excess branches from trees, using handsaws, trees, using climbing hooks and belts, or climbs ladders to gain access to work area. Prunes, cuts down, fertilizes, and sprays trees as directed by tree surgeon. Uses truck-mounted hydraulic lifts and pruners and power pruners. Scrapes decayed matter from cavities in trees and fills holes with

cement to promote healing and to prevent further deterioration. Applies tar or other protective substances to cut surfaces to seal surfaces against insects.

6200.90 Subsistence Agricultural and Fishery Workers, other include those who grow and harvest field or tree and shrub crops, grow vegetables and fruit, gather wild fruits, medicinal and other plants, tend or hunt animals, catch fish and gather other forms of aquatic life in order to provide food, shelter and a minimum of cash income for themselves and their households not elsewhere classified.