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MARINE FISH PRODUCTION IN INDIA DURING JULY TO SEPTEMBER 1978*

Total production for the quarter

The total marine fish production in India (excluding Andamans and Lakshadweep) during the third quarter of 1978 i.e. for the period July to September, 1978 was provisionally estimated at 357,256 tonnes as against 269,617 tonnes during the same period of 1977, showing an increase of 87,639 tonnes (32.5%). While the total landings showed an increase in the States of Orissa, Tamil Nadu, Kerala, Karnataka, Maharashtra and Gujarat, lower landings were recorded in the States of West Bengal, Andhra Pradesh, Pondicherry and Goa. The monthwise total landings of marine fish in the various maritime States of India and the species-wise details of landings for the period July to September are shown in Fig. 1 and Tables 1 and 2. The bulk of

the landings of the quarter was recorded in September, which accounted for 45.68% of the total catch of the quarter. The landings during July and August constituted 27.46% and 26.86% respectively of the total catch of the third quarter.

Statewise production

West Bengal

The total marine fish production in West Bengal declined by about 200 tonnes, as compared to the corresponding period in 1977 (Table 1). The decline in the total landings was mainly due to the poor

*Prepared by the Fishery Resources Assessment Division

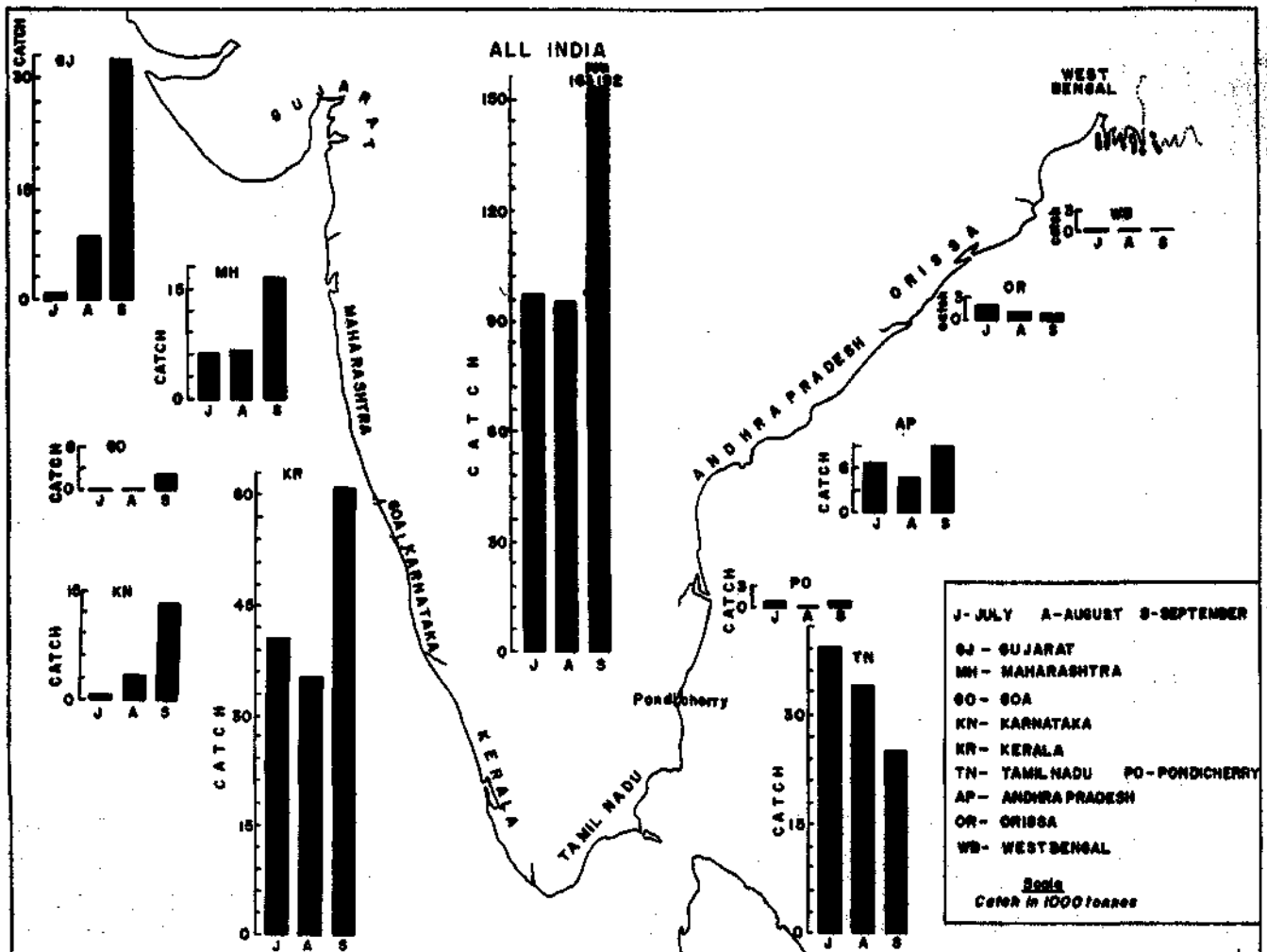


Fig. 1 Total marine fish catch in different states during July to September 1978

Table 1 Statewise and monthwise total marine fish landings in India (excluding Andamans and Lakshadweep) during the period July to September 1978* (in tonnes)

| Sl. No | Name of state | July | August | Sept. | Total | Total for July to Sept. 1977 |
|--------|----------------|--------|--------|----------|----------|------------------------------|
| 1. | West Bengal | 282 | 218 | 157 | 657 | 879 |
| 2. | Orissa | 1,546 | 1,355 | 1,064 | 3,965 | 2,617 |
| 3. | Andhra Pradesh | 7,026 | 4,938 | 9,077 | 21,041 | 23,100 |
| 4. | Tamil Nadu | 39,218 | 34,593 | 25,717 | 99,528 | 56,753 |
| 5. | Pondicherry | 734 | 263 | 526 | 1,523 | 2,104 |
| 6. | Kerala | 41,220 | 35,907 | 61,732 | 1,38,859 | 1,21,329 |
| 7. | Karnataka | 245 | 3,349 | 13,439 | 17,033 | 8,692 |
| 8. | Goa | 9 | 89 | 1,728 | 1,826 | 3,907 |
| 9. | Maharashtra | 6,625 | 6,691 | 16,979 | 30,295 | 27,193 |
| 10. | Gujarat | 1,209 | 8,557 | 32,763 | 42,529 | 23,043 |
| Total | | 98,114 | 95,960 | 1,63,182 | 3,57,256 | 2,69,617 |

* Provisional

fishery of penaeid prawns, *Thrissoctes*, other clupeids, *Harpodon nehereus*, sciaenids and ribbon fish. The landings of *Hilsa ilisha*, elasmobranchs, pomfrets, polynemids and *Leiognathus*, however, showed increase. Table 3 shows the monthwise and specieswise landings of marine fish in West Bengal during the period July to September. It is seen that the landings in July was the highest, the catch in September being the lowest.

Orissa

In Orissa an increase of about 1,350 tonnes in the landings was noticed during the period July to September when compared to the catch of the same period of 1977. The landings of elasmobranchs, *Thrissoctes*, other clupeids, sciaenids, *Chorinemus*, *Leiognathus*, pomfrets, seer fish and penaeid prawns

Table 2 Statewise composition of marine fish landings in India (excluding Andamans and Lakshadweep) for the period July to September 1978* (in tonnes)

| Sl. No. | Name of fish | West Bengal | Orissa | Andhra Pradesh | Tamil Nadu | Pondicherry | Kerala | Karnataka | Goa | Maharashtra | Gujarat | Total |
|---------|----------------------------------|-------------|--------|----------------|------------|-------------|----------|-----------|-------|-------------|---------|----------|
| 1. | Elasmobranchs | 65 | 504 | 1,910 | 4,157 | 66 | 1,158 | 387 | 117 | 1,131 | 3,046 | 12,541 |
| 2. | Eels | — | — | 43 | 74 | — | 1 | — | — | 341 | 212 | 671 |
| 3. | Cat fishes | 44 | 176 | 923 | 1,620 | 59 | 2,858 | 288 | 148 | 1,835 | 390 | 8,341 |
| 4. | <i>Chirocentrus</i> | 40 | 239 | 410 | 427 | 29 | 94 | 106 | 14 | 94 | 108 | 1,561 |
| 5. | a) Oil sardines | — | — | — | — | — | 16,836 | 1,399 | 20 | — | — | 18,255 |
| | b) Lesser sardines | 2 | 28 | 223 | 2,393 | 263 | 1,949 | 130 | 212 | 68 | — | 5,268 |
| | c) <i>Hilsa ilisha</i> | 135 | 582 | 1 | 86 | — | 95 | 51 | — | 1 | 17 | 968 |
| | d) Other <i>Hilsa</i> | 28 | 70 | 49 | 1,101 | 4 | 29 | 16 | 1 | 17 | 346 | 1,661 |
| | e) <i>Anchoviella</i> | 6 | — | 231 | 5,478 | 55 | 8,319 | 26 | — | 37 | — | 14,152 |
| | f) <i>Thrissoctes</i> | 12 | 116 | 559 | 435 | 46 | 1,241 | 483 | 231 | 146 | 7 | 3,276 |
| | g) Other clupeids | 37 | 493 | 493 | 589 | 56 | 579 | 569 | 18 | 910 | 109 | 3,853 |
| 6. | a) <i>Harpodon nehereus</i> | 16 | 44 | 926 | 5 | — | — | 2 | 5 | 3,612 | 446 | 5,056 |
| | b) <i>Saurida & Saurus</i> | — | — | 363 | 386 | 26 | 3,372 | 3 | — | 204 | 2 | 4,356 |
| 7. | <i>Hemirhamphus & Belone</i> | — | — | 3 | 154 | — | 1 | 1 | 4 | 30 | — | 193 |
| 8. | Flying fish | — | — | 12 | 943 | 256 | — | — | — | — | — | 1,211 |
| 9. | Perches | — | 2 | 401 | 2,465 | 117 | 22,332 | 29 | 8 | 1,284 | 9,665 | 36,303 |
| 10. | Red mullets | — | — | 147 | 1,030 | 43 | 96 | 25 | — | — | — | 1,341 |
| 11. | Polynemids | 23 | 95 | 153 | 127 | 9 | 19 | — | — | 115 | 282 | 823 |
| 12. | Sciaenids | 20 | 105 | 1,789 | 2,488 | 65 | 6,703 | 725 | 65 | 2,106 | 13,031 | 27,097 |
| 13. | Ribbon fish | 16 | 12 | 1,885 | 44,841 | 17 | 17,984 | 167 | 11 | 2,011 | 1,026 | 67,970 |
| 14. | a) <i>Caranx</i> | — | 19 | 417 | 1,448 | 54 | 2,713 | 21 | 42 | 133 | 21 | 4,868 |
| | b) <i>Chorinemus</i> | 16 | 198 | 126 | 152 | — | 100 | 2 | 9 | 163 | 124 | 890 |
| | c) <i>Trachinotus</i> | — | — | — | 30 | — | — | — | — | — | — | 30 |
| | d) Other carangids | — | — | 35 | 161 | — | 70 | 8 | — | — | — | 274 |
| | e) <i>Coryphaena</i> | — | — | 19 | 5 | 3 | — | — | — | — | — | 27 |
| | f) <i>Elacate</i> | — | — | — | 30 | — | 21 | 3 | 35 | — | — | 89 |
| 15. | a) <i>Leiognathus</i> | 18 | 99 | 421 | 9,130 | 102 | 1,180 | 3,228 | 66 | 21 | — | 14,265 |
| | b) <i>Gazza</i> | — | — | — | 57 | — | — | — | — | — | — | 57 |
| 16. | <i>Lactarius</i> | — | 1 | 166 | 475 | — | 1,157 | 79 | 2 | 77 | — | 1,957 |
| 17. | Pomfrets | 100 | 534 | 349 | 201 | 5 | 221 | 15 | 19 | 910 | 8,055 | 10,409 |
| 18. | Mackerel | — | — | 55 | 190 | 11 | 8,868 | 5,332 | 105 | 71 | — | 14,632 |
| 19. | Seer fish | 20 | 214 | 592 | 1,214 | 18 | 635 | 255 | 332 | 327 | 406 | 4,013 |
| 20. | Tunnies | — | — | 80 | 537 | 1 | 1,554 | 48 | 258 | 639 | 765 | 3,882 |
| 21. | <i>Sphyræna</i> | — | — | 6 | 1,266 | 10 | 240 | 62 | 1 | 9 | — | 1,594 |
| 22. | <i>Mugil</i> | — | — | 91 | 140 | — | — | — | 2 | 55 | 157 | 445 |
| 23. | <i>Bregmaceros</i> | — | — | — | — | — | — | — | — | — | — | — |
| 24. | Soles | — | — | 83 | 514 | 27 | 2,698 | 1,336 | 20 | 176 | — | 4,854 |
| 25. | a) Penaeid prawns | 18 | 211 | 5,080 | 5,178 | 22 | 27,303 | 1,988 | 21 | 9,475 | 1,670 | 50,966 |
| | b) Non-penaeid prawns | — | 12 | 391 | 447 | — | 186 | 12 | — | 1,521 | 138 | 2,707 |
| | c) Lobsters | — | — | 2 | 125 | — | 28 | — | — | 119 | 14 | 288 |
| | d) Crabs & other crustaceans | — | 1 | 114 | 2,468 | 44 | 151 | 1 | 3 | 58 | 38 | 2,878 |
| 26. | Cephalopods | — | — | 118 | 623 | — | 3,821 | 5 | — | 51 | 651 | 5,269 |
| 27. | Miscellaneous | 41 | 210 | 2,375 | 6,338 | 115 | 4,247 | 231 | 57 | 2,548 | 1,803 | 17,965 |
| Total | | 657 | 3,965 | 21,041 | 99,528 | 1,523 | 1,38,859 | 17,033 | 1,826 | 30,295 | 42,529 | 3,57,256 |

were comparatively higher during the period. Lesser sardines, *Anchoviella*, ribbon fish, *Caranx* and cat fishes showed poor fishery. From Table 4 it is seen that the maximum landings were recorded in July and the minimum in September.

Andhra Pradesh

The marine fish production in Andhra Pradesh showed a decline of 2,059 tonnes during the third quarter. A sharp decline in the landings of lesser sardines, *Hilsa* spp., ribbon fish and non-penaeid prawns was seen during the period. The catch of elasmobranchs, cat fishes, *Chirocentrus*, *Anchoviella*, other clupeids, sciaenids, *Caranx*, *Leiognathus*, *Lactarius*, pomfrets, seer fish, tunnies and crabs & other crustaceans also declined. An increase in the landings of *Thrissocles*, *Harpodon nehereus*, *Saurida* & *Saurus*, perches, red mullets, polynemids, *Chorinemus* and cephalopods was also noticed. Table 5 gives the monthwise and specieswise catch details in the state during the quarter. September accounted for the maximum catch while the minimum catch was recorded in August.

Tamil Nadu

In Tamil Nadu the total landings in July to September showed a significant increase of 42,775 tonnes. This was due to higher landings of cat fishes, *Hilsa*, other clupeids, *Saurida* & *Saurus*, flying fish, perches, red mullets, *Leiognathus*, *Lactarius*, *Sphyraena*, penaeid prawns and crabs & other crustaceans. A bumper catch of ribbon fish was also responsible for boosting up the total catch during the period. The landings of elasmobranchs, lesser sardines, *Anchoviella*, sciaenids, *Caranx*, seer fish and tunnies were, however, poor. From Table 6 it could be seen that the catch was maximum in the month of July, the minimum being in September.

Pondicherry

The catch in Pondicherry showed a decrease of 581 tonnes during July to September. While the landings of elasmobranchs, cat fishes, lesser sardines, *Thrissocles*, perches, *Caranx*, *Lactarius*, mackerel, penaeid prawns and cephalopods were comparatively poor, a better fishery was seen in respect of *Anchoviella*, other clupeids, flying fish, red mullets, *Leiognathus* and crabs & other crustaceans. The specieswise catch particulars are shown in Table 7 from which it is seen that July recorded the maximum catch, the minimum being in the month of August.

Table 3 Composition of marine fish landings in West Bengal during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III qr. 1977 |
|---------|------------------------------------|------|--------|-------|-------|------------------------|
| 1. | Elasmobranchs | 32 | 32 | 1 | 65 | 33 |
| 2. | Eels | — | — | — | — | — |
| 3. | Cat fishes | 24 | 18 | 2 | 44 | 28 |
| 4. | <i>Chirocentrus</i> | 14 | 10 | 16 | 40 | 28 |
| 5. a) | Oil sardine | — | — | — | — | — |
| b) | Lesser sardines | — | — | 2 | 2 | — |
| c) | <i>Hilsa ilisha</i> | 102 | 32 | 1 | 135 | 82 |
| d) | Other <i>Hilsa</i> | 16 | 12 | — | 28 | — |
| e) | <i>Anchoviella</i> | — | 4 | 2 | 6 | — |
| f) | <i>Thrissocles</i> | — | 4 | 8 | 12 | 20 |
| g) | Other clupeids | 12 | 14 | 11 | 37 | 114 |
| 6. a) | <i>Harpodon nehereus</i> | — | 6 | 10 | 16 | 99 |
| b) | <i>Saurida</i> & <i>Saurus</i> | — | — | — | — | — |
| 7. | <i>Hemiramphus</i> & <i>Belone</i> | — | — | — | — | — |
| 8. | Flying fish | — | — | — | — | — |
| 9. | Perches | — | — | — | — | — |
| 10. | Red mullets | — | — | — | — | — |
| 11. | Polynemids | 8 | 10 | 5 | 23 | 9 |
| 12. | Sciaenids | — | 10 | 10 | 20 | 38 |
| 13. | Ribbon fish | — | — | 16 | 16 | 32 |
| 14. a) | <i>Caranx</i> | — | — | — | — | — |
| b) | <i>Chorinemus</i> | 8 | 4 | 4 | 16 | 10 |
| c) | <i>Trachynotus</i> | — | — | — | — | — |
| d) | Other carangids | — | — | — | — | — |
| e) | <i>Coryphaena</i> | — | — | — | — | — |
| f) | <i>Elacate</i> | — | — | — | — | — |
| 15. a) | <i>Leiognathus</i> | — | 2 | 16 | 18 | 7 |
| b) | <i>Gazza</i> | — | — | — | — | — |
| 16. | <i>Lactarius</i> | — | — | — | — | — |
| 17. | Pomfrets | 60 | 34 | 6 | 100 | 59 |
| 18. | Mackerel | — | — | — | — | — |
| 19. | Seer fish | — | 16 | 4 | 20 | 23 |
| 20. | Tunnies | — | — | — | — | — |
| 21. | <i>Sphyraena</i> | — | — | — | — | — |
| 22. | <i>Mugil</i> | — | — | — | — | — |
| 23. | <i>Bregmaceros</i> | — | — | — | — | — |
| 24. | Soles | — | — | — | — | — |
| 25. a) | Penaeid prawns | — | — | 18 | 18 | 115 |
| b) | Non-penaeid prawns | — | — | — | — | 19 |
| c) | Other crustaceans | — | — | — | — | — |
| 26. | Cephalopods | — | — | — | — | — |
| 27. | Miscellaneous | 6 | 10 | 25 | 41 | 163 |
| Total | | 282 | 218 | 157 | 657 | 879 |

Table 4 Composition of marine fish landings in Orissa during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III qr. 1977 |
|---------|-----------------------------------|-------|--------|-------|-------|------------------------|
| 1. | Elasmo-branches | 177 | 148 | 179 | 504 | 384 |
| 2. | Eels | — | — | — | — | — |
| 3. | Cat fishes | 57 | 85 | 34 | 176 | 183 |
| 4. | <i>Chiro-centrus</i> | 119 | 79 | 41 | 239 | 178 |
| 5. a) | Oil sardine | — | — | — | — | — |
| b) | Lesser sardines | — | 28 | — | 28 | 135 |
| c) | <i>Hilsa ilisha</i> | 272 | 239 | 71 | 582 | 531 |
| d) | Other <i>Hilsa</i> | 27 | 35 | 8 | 70 | 66 |
| e) | <i>Ancho-viella</i> | — | — | — | — | 25 |
| f) | <i>Thris-socles</i> | 35 | 21 | 60 | 116 | 13 |
| g) | Other clupeids | 87 | 120 | 286 | 493 | 286 |
| 6. a) | <i>Harpodon nehereus</i> | 28 | 16 | — | 44 | 6 |
| b) | <i>Saurida & Saurus</i> | — | — | — | — | — |
| 7. | <i>Hemir-hamphus & Belone</i> | — | — | — | — | — |
| 8. | Flying fish | — | — | — | — | — |
| 9. | Perches | 1 | — | 1 | 2 | 1 |
| 10. | Red mullets | — | — | — | — | — |
| 11. | Poly-nemids | 73 | 18 | 4 | 95 | 52 |
| 12. | Sciaenids | 40 | 28 | 37 | 105 | 55 |
| 13. | Ribbon fish | 6 | 6 | — | 12 | 24 |
| 14. a) | <i>Caranx</i> | 8 | 7 | 4 | 19 | 45 |
| b) | <i>Chori-nemus</i> | 66 | 89 | 43 | 198 | 68 |
| c) | <i>Trachy-notus</i> | — | — | — | — | — |
| d) | Other carangids | — | — | — | — | — |
| e) | <i>Cory-phaena</i> | — | — | — | — | — |
| f) | <i>Elacate</i> | — | — | — | — | 7 |
| 15. a) | <i>Leiog-nathus</i> | 52 | 26 | 21 | 99 | 10 |
| b) | <i>Gazza</i> | — | — | — | — | — |
| 16. | <i>Lactarius</i> | — | — | 1 | 1 | 4 |
| 17. | Pomfrets | 269 | 192 | 73 | 534 | 191 |
| 18. | Mackerel | — | — | — | — | — |
| 19. | Seer fish | 75 | 97 | 42 | 214 | 144 |
| 20. | Tunnies | — | — | — | — | — |
| 21. | <i>Sphyraena</i> | — | — | — | — | — |
| 22. | <i>Mugil</i> | — | — | — | — | — |
| 23. | <i>Breg-maceros</i> | — | — | — | — | — |
| 24. | Soles | — | — | — | — | — |
| 25. a) | Penaeid prawns | 85 | 51 | 75 | 211 | 87 |
| b) | Non-penaeid prawns | 6 | — | 6 | 12 | 2 |
| c) | Lobsters | — | — | — | — | — |
| d) | Crabs & other cru-staceans | 1 | — | — | 1 | 6 |
| 26. | Cepha-lopods | — | — | — | — | — |
| 27. | Miscel-laneous | 62 | 70 | 78 | 210 | 114 |
| Total | | 1,546 | 1,355 | 1,064 | 3,965 | 2,617 |

Table 5 Composition of marine fish landings in Andhra Pradesh during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III qr. 1977 |
|---------|-----------------------------------|-------|--------|-------|--------|------------------------|
| 1. | Elasmo-branches | 635 | 160 | 1,115 | 1,910 | 2,063 |
| 2. | Eels | — | 38 | 5 | 43 | 54 |
| 3. | Cat fishes | 364 | 177 | 382 | 923 | 1,415 |
| 4. | <i>Chiro-centrus</i> | 102 | 58 | 250 | 410 | 586 |
| 5. a) | Oil sardine | — | — | — | — | — |
| b) | Lesser sardines | 144 | 64 | 15 | 223 | 1,185 |
| c) | <i>Hilsa ilisha</i> | — | 1 | — | 1 | 12 |
| d) | Other <i>Hilsa</i> | 14 | 11 | 24 | 49 | 1,103 |
| e) | <i>Ancho-viella</i> | 28 | 128 | 75 | 231 | 347 |
| f) | <i>Thris-socles</i> | 218 | 99 | 242 | 559 | 399 |
| g) | Other clupeids | 260 | 117 | 116 | 493 | 737 |
| 6. a) | <i>Harpodon nehereus</i> | 14 | 801 | 111 | 926 | 262 |
| b) | <i>Saurida & Saurus</i> | 101 | 104 | 158 | 363 | 69 |
| 7. | <i>Hemir-hamphus & Belone</i> | 1 | — | 2 | 3 | — |
| 8. | Flying fish | 12 | — | — | 12 | 32 |
| 9. | Perches | 221 | 72 | 108 | 401 | 321 |
| 10. | Red mullets | 32 | 63 | 52 | 147 | 29 |
| 11. | Polynemids | 105 | 17 | 31 | 153 | 83 |
| 12. | Sciaenids | 746 | 387 | 656 | 1,789 | 1,886 |
| 13. | Ribbon fish | 276 | 299 | 1,310 | 1,885 | 3,867 |
| 14. a) | <i>Caranx</i> | 110 | 100 | 207 | 417 | 783 |
| b) | <i>Chori-nemus</i> | 73 | 31 | 22 | 126 | 52 |
| c) | <i>Trachy-notus</i> | — | — | — | — | — |
| d) | Other carangids | — | 22 | 13 | 35 | 1 |
| e) | <i>Cory-phaena</i> | 19 | — | — | 19 | — |
| f) | <i>Elacate</i> | — | — | — | — | 6 |
| 15. a) | <i>Leiog-nathus</i> | 170 | 149 | 102 | 421 | 928 |
| b) | <i>Gazza</i> | — | — | — | — | — |
| 16. | <i>Lactarius</i> | 60 | 12 | 94 | 166 | 578 |
| 17. | Pomfrets | 74 | 122 | 153 | 349 | 614 |
| 18. | Mackerel | 34 | 6 | 15 | 55 | 32 |
| 19. | Seer fish | 208 | 121 | 263 | 592 | 1,150 |
| 20. | Tunnies | 80 | — | — | 80 | 153 |
| 21. | <i>Sphyraena</i> | — | — | 6 | 6 | 14 |
| 22. | <i>Mugil</i> | 63 | 20 | 8 | 91 | 3 |
| 23. | <i>Breg-maceros</i> | — | — | — | — | — |
| 24. | Soles | 33 | 18 | 32 | 83 | 49 |
| 25. a) | Penaeid prawns | 782 | 1,417 | 2,881 | 5,080 | 1,179 |
| b) | Non-penaeid prawns | 232 | 56 | 103 | 391 | 2,002 |
| c) | Lobsters | — | 1 | 1 | 2 | — |
| d) | Crabs & other cru-staceans | 46 | 10 | 58 | 114 | 209 |
| 26. | Cepha-lopods | 23 | 34 | 61 | 118 | 34 |
| 27. | Miscel-laneous | 1,746 | 223 | 406 | 2,375 | 863 |
| Total | | 7,026 | 4,938 | 9,077 | 21,041 | 23,100 |

Table 6 Composition of marine fish landings in Tamil Nadu during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III Qr. 1977 |
|---------|----------------------------------|--------|--------|--------|--------|------------------------|
| 1. | Elasmobranchs | 863 | 1,997 | 1,297 | 4,157 | 6,927 |
| 2. | Eels | 49 | — | 25 | 74 | 50 |
| 3. | Cat fishes | 347 | 717 | 556 | 1,620 | 1,094 |
| 4. | <i>Chirocentrus</i> | 92 | 86 | 249 | 427 | 629 |
| 5. a) | Oil sardine | — | — | — | — | 617 |
| b) | Lesser sardines | 245 | 294 | 1,854 | 2,393 | 7,465 |
| c) | <i>Hilsa ilisha</i> | 70 | — | 16 | 86 | 102 |
| d) | Other <i>Hilsa</i> | 143 | 363 | 595 | 1,101 | 414 |
| e) | <i>Anchoviella</i> | 143 | 2,010 | 3,325 | 5,478 | 8,865 |
| f) | <i>Thrissoles</i> | 142 | 146 | 147 | 435 | 583 |
| g) | Other clupeids | 162 | 183 | 244 | 589 | 263 |
| 6. a) | <i>Harpodon nehereus</i> | — | — | 5 | 5 | — |
| b) | <i>Saurida & Saurus</i> | 218 | 118 | 50 | 386 | 245 |
| 7. | <i>Hemirhamphus & Belone</i> | 25 | 106 | 23 | 154 | 116 |
| 8. | Flying fish | 943 | — | — | 943 | — |
| 9. | Perches | 1,287 | 818 | 360 | 2,465 | 1,424 |
| 10. | Red mullets | 174 | 495 | 361 | 1,030 | 340 |
| 11. | Polynemids | 109 | 12 | 6 | 127 | 843 |
| 12. | Sciaenids | 711 | 1,119 | 658 | 2,488 | 3,137 |
| 13. | Ribbon fish | 26,872 | 13,286 | 4,683 | 44,841 | 2,348 |
| 14. a) | <i>Caranx</i> | 497 | 439 | 512 | 1,448 | 2,882 |
| b) | <i>Chorinemus</i> | 55 | 27 | 70 | 152 | 52 |
| c) | <i>Trachinotus</i> | — | 30 | — | 30 | 30 |
| d) | Other carangids | 1 | 106 | 54 | 161 | 21 |
| e) | <i>Coryphaena</i> | 5 | — | — | 5 | 19 |
| f) | <i>Elacate</i> | 2 | 22 | 6 | 30 | 67 |
| 15. a) | <i>Leiognathus</i> | 2,166 | 5,187 | 1,777 | 9,130 | 3,616 |
| b) | <i>Gazza</i> | 32 | 17 | 8 | 57 | 20 |
| 16. | <i>Lactarius</i> | 40 | 166 | 269 | 475 | 201 |
| 17. | Pomfrets | 165 | 10 | 26 | 201 | 158 |
| 18. | Mackerel | 86 | 59 | 45 | 190 | 394 |
| 19. | Seer fish | 182 | 184 | 848 | 1,214 | 3,857 |
| 20. | Tunnies | 215 | 76 | 246 | 537 | 1,383 |
| 21. | <i>Sphyraena</i> | 87 | 660 | 519 | 1,266 | 808 |
| 22. | <i>Mugil</i> | 6 | 64 | 70 | 140 | 104 |
| 23. | <i>Bregmaceros</i> | — | — | — | — | — |
| 24. | Soles | 91 | 304 | 119 | 514 | 302 |
| 25. a) | Penaeid prawns | 1,041 | 1,518 | 2,619 | 5,178 | 1,293 |
| b) | Non-penaeid prawns | 369 | 44 | 34 | 447 | 21 |
| c) | Lobsters | 16 | 101 | 8 | 125 | 95 |
| d) | Crabs & other crustaceans | 230 | 1,314 | 924 | 2,468 | 1,430 |
| 26. | Cephalopods | 45 | 338 | 240 | 623 | 585 |
| 27. | Miscellaneous | 1,292 | 2,177 | 2,869 | 6,338 | 3,953 |
| Total | | 39,218 | 34,593 | 25,717 | 99,528 | 56,753 |

Table 7 Composition of marine fish landings in Pondicherry during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III Qr. 1977 |
|---------|----------------------------------|------|--------|-------|-------|------------------------|
| 1. | Elasmobranchs | 34 | 2 | 30 | 66 | 188 |
| 2. | Eels | — | — | — | — | — |
| 3. | Cat fishes | 16 | 3 | 40 | 59 | 88 |
| 4. | <i>Chirocentrus</i> | 1 | 2 | 26 | 29 | 32 |
| 5. a) | Oil sardine | — | — | — | — | — |
| b) | Lesser sardines | 85 | 79 | 99 | 263 | 355 |
| c) | <i>Hilsa ilisha</i> | — | — | — | — | — |
| d) | Other <i>Hilsa</i> | — | 4 | — | 4 | 2 |
| e) | <i>Anchoviella</i> | 25 | 2 | 28 | 55 | 16 |
| f) | <i>Thrissoles</i> | 25 | 13 | 8 | 46 | 200 |
| g) | Other clupeids | 26 | 24 | 6 | 56 | — |
| 6. a) | <i>Harpodon nehereus</i> | — | — | — | — | — |
| b) | <i>Saurida & Saurus</i> | 11 | 4 | 11 | 26 | 23 |
| 7. | <i>Hemirhamphus & Belone</i> | — | — | — | — | — |
| 8. | Flying fish | 240 | 16 | — | 256 | — |
| 9. | Perches | 56 | 11 | 50 | 117 | 141 |
| 10. | Red mullets | 24 | 3 | 16 | 43 | 10 |
| 11. | Polynemids | 5 | 2 | 2 | 9 | 3 |
| 12. | Sciaenids | 17 | 14 | 34 | 65 | 77 |
| 13. | Ribbon fish | 15 | 1 | 1 | 17 | 20 |
| 14. a) | <i>Caranx</i> | 2 | 9 | 43 | 54 | 390 |
| b) | <i>Chorinemus</i> | — | — | — | — | 3 |
| c) | <i>Trachinotus</i> | — | — | — | — | — |
| d) | Other carangids | — | — | — | — | — |
| e) | <i>Coryphaena</i> | 3 | — | — | 3 | 2 |
| f) | <i>Elacate</i> | — | — | — | — | — |
| 15. a) | <i>Leiognathus</i> | 41 | 12 | 49 | 102 | 65 |
| b) | <i>Gazza</i> | — | — | — | — | — |
| 16. | <i>Lactarius</i> | — | — | — | — | 42 |
| 17. | Pomfrets | 1 | 2 | 2 | 5 | 18 |
| 18. | Mackerel | 4 | 7 | — | 11 | 41 |
| 19. | Seer fish | 6 | 6 | 6 | 18 | 10 |
| 20. | Tunnies | 1 | — | — | 1 | — |
| 21. | <i>Sphyraena</i> | 7 | — | 3 | 10 | 6 |
| 22. | <i>Mugil</i> | — | — | — | — | — |
| 23. | <i>Bregmaceros</i> | — | — | — | — | — |
| 24. | Soles | 10 | 1 | 16 | 27 | 21 |
| 25. a) | Penaeid prawns | 8 | 10 | 4 | 22 | 45 |
| b) | Non-penaeid prawns | — | — | — | — | — |
| c) | Lobsters | — | — | — | — | — |
| d) | Crabs & other crustaceans | 9 | 9 | 26 | 44 | 23 |
| 26. | Cephalopods | — | — | — | — | 16 |
| 27. | Miscellaneous | 62 | 27 | 26 | 115 | 267 |
| Total | | 734 | 263 | 526 | 1,523 | 2,104 |

Table 8 Composition of marine fish landings in Kerala during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III Qr. 1977 |
|--------------|----------------------------------|---------------|---------------|---------------|-----------------|------------------------|
| 1. | Elasmo-branches | 235 | 614 | 309 | 1,158 | 2,340 |
| 2. | Eels | — | — | 1 | 1 | 3 |
| 3. | Cat fishes | 1,785 | 222 | 851 | 2,858 | 4,043 |
| 4. | <i>Chirocentrus</i> | 84 | — | 10 | 94 | 178 |
| 5. a) | oil sardines | 1,925 | 998 | 13,913 | 16,836 | 17,084 |
| c) | Lesser sardines | 23 | 246 | 1,680 | 1,949 | 3,451 |
| c) | <i>Hilsa-iltsha</i> | — | 18 | 77 | 95 | — |
| d) | Other <i>Hilsa</i> | 29 | — | — | 29 | — |
| e) | <i>Anchoviella</i> | 1,161 | 1,721 | 5,437 | 8,319 | 4,116 |
| f) | <i>Thris-socles</i> | 71 | 1,115 | 55 | 1,241 | 1,204 |
| g) | Other clupeids | 462 | 80 | 37 | 579 | 213 |
| 6. a) | <i>Harpodon nehereus</i> | — | — | — | — | — |
| b) | <i>Saurida & Saurus</i> | 379 | 2,349 | 644 | 3,372 | 3,252 |
| 7. | <i>Hemirhamphus & Belone</i> | 1 | — | — | 1 | 2 |
| 8. | Flying fish | — | — | — | — | — |
| 9. | Perches | 4,580 | 15,600 | 2,152 | 22,332 | 11,169 |
| 10. | Red mullets | 2 | — | 94 | 96 | 16 |
| 11. | Polynemids | — | — | 19 | 19 | 7 |
| 12. | Sciaenids | 2,096 | 1,404 | 3,203 | 6,703 | 5,179 |
| 13. | Ribbon fish | 5,809 | 1,007 | 11,168 | 17,984 | 6,852 |
| 14. a) | <i>Caranx</i> | 490 | 199 | 2,024 | 2,713 | 11,451 |
| b) | <i>Chorinemus</i> | 55 | 7 | 38 | 100 | 480 |
| c) | <i>Trachy-notus</i> | — | — | — | — | — |
| d) | Other carangids | — | — | 70 | 70 | 78 |
| e) | <i>Coryphaena</i> | — | — | — | — | 2 |
| f) | <i>Elacate</i> | 2 | 4 | 15 | 21 | 31 |
| 15. a) | <i>Leiognathus</i> | 97 | 954 | 129 | 1,180 | 5,603 |
| b) | <i>Gazza</i> | — | — | — | — | — |
| 16. | <i>Lactarius</i> | 739 | 61 | 357 | 1,157 | 498 |
| 17. | Pomfrets | 33 | 155 | 33 | 221 | 2,048 |
| 18. | Mackerel | 239 | 47 | 8,582 | 8,868 | 3,534 |
| 19. | Seer fish | 73 | 224 | 338 | 635 | 846 |
| 20. | Tunnies | 927 | 214 | 413 | 1,554 | 1,164 |
| 21. | <i>Sphyraena</i> | 172 | 15 | 53 | 240 | 101 |
| 22. | <i>Mugil</i> | — | — | — | — | — |
| 23. | <i>Breg-maceros</i> | — | — | — | — | — |
| 24. | Soles | 1,397 | 785 | 516 | 2,698 | 3,147 |
| 25. | Penaeid prawns | 17,079 | 7,094 | 3,130 | 27,303 | 25,493 |
| b) | Non-penaeid prawns | 134 | 52 | — | 186 | 40 |
| c) | Lobsters | — | 9 | 19 | 28 | — |
| d) | Crabs & other crustaceans | 5 | — | 146 | 151 | 2 |
| 26. | Cephalopods | — | 232 | 3,589 | 3,821 | 1,633 |
| 27. | Miscellaneous | 1,136 | 481 | 2,630 | 4,247 | 6,069 |
| Total | | 41,220 | 35,907 | 61,732 | 1,38,859 | 1,21,329 |

Table 9 Composition of marine fish landings in Karnataka during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III Qr. 1977 |
|--------------|----------------------------------|------------|--------------|---------------|---------------|------------------------|
| 1. | Elasmo-branches | 13 | 156 | 218 | 387 | 372 |
| 2. | Eels | — | — | — | — | 3 |
| 3. | Cat fishes | 9 | 6 | 273 | 288 | 154 |
| 4. | <i>Chirocentrus</i> | 4 | 1 | 101 | 106 | 94 |
| 5. a) | Oil sardine | 1 | 472 | 926 | 1,399 | 842 |
| b) | Lesser sardines | — | 4 | 126 | 130 | 115 |
| c) | <i>Hilsa-iltsha</i> | — | — | 51 | 51 | 1 |
| d) | Other <i>Hilsa</i> | — | 1 | 15 | 16 | 5 |
| e) | <i>Anchoviella</i> | — | — | 26 | 26 | 145 |
| f) | <i>Thris-socles</i> | 5 | 156 | 322 | 483 | 381 |
| g) | Other clupeids | 24 | 115 | 430 | 569 | 187 |
| 6. a) | <i>Harpodon nehereus</i> | — | 2 | — | 2 | 4 |
| b) | <i>Saurida & Saurus</i> | — | 3 | — | 3 | — |
| 7. | <i>Hemirhamphus & Belone</i> | — | — | 1 | 1 | 18 |
| 8. | Flying fish | — | — | — | — | — |
| 9. | Perches | 1 | 20 | 8 | 29 | 60 |
| 10. | Red mullets | — | 1 | 24 | 25 | — |
| 11. | Polynemids | — | — | — | — | 2 |
| 12. | Sciaenids | 25 | 251 | 449 | 725 | 590 |
| 13. | Ribbon fish | 4 | 35 | 128 | 167 | 55 |
| 14. a) | <i>Caranx</i> | 5 | 10 | 6 | 21 | 23 |
| b) | <i>Chorinemus</i> | — | 1 | 1 | 2 | 5 |
| c) | <i>Trachy-notus</i> | — | — | — | — | — |
| d) | Other carangids | — | — | 8 | 8 | 4 |
| e) | <i>Coryphaena</i> | — | — | — | — | — |
| f) | <i>Elacate</i> | — | — | 3 | 3 | — |
| 15. a) | <i>Leiognathus</i> | 14 | 39 | 3,175 | 3,228 | 141 |
| b) | <i>Gazza</i> | — | — | — | — | — |
| 16. | <i>Lactarius</i> | 4 | 44 | 31 | 79 | 40 |
| 17. | Pomfrets | 1 | — | 14 | 15 | 44 |
| 18. | Mackerel | 57 | 26 | 5,249 | 5,332 | 3,229 |
| 19. | Seer fish | — | 13 | 242 | 255 | 163 |
| 20. | Tunnies | — | — | 48 | 48 | 140 |
| 21. | <i>Sphyraena</i> | — | — | 62 | 62 | — |
| 22. | <i>Mugil</i> | — | — | — | — | — |
| 23. | <i>Breg-maceros</i> | — | — | — | — | — |
| 24. | Soles | 3 | 14 | 1,319 | 1,336 | 182 |
| 25. a) | Penaeid prawns | 38 | 1857 | 93 | 1,988 | 570 |
| b) | Non-penaeid prawns | — | 12 | — | 12 | — |
| c) | Lobsters | — | — | — | — | 2 |
| d) | Crabs & other crustaceans | 1 | — | — | 1 | 8 |
| 26. | Cephalopods | — | — | 5 | 5 | 1 |
| 27. | Miscellaneous | 36 | 110 | 85 | 231 | 1,112 |
| Total | | 245 | 3,349 | 13,439 | 17,033 | 8,692 |

Table 10 Composition of marine fish landings in Goa during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III Qr. 1977 |
|--------------|---------------------------|----------|-----------|--------------|--------------|------------------------|
| 1. | Elasmobranchs | 1 | 5 | 111 | 117 | 41 |
| 2. | Eels | — | — | — | — | — |
| 3. | Cat fishes | — | — | 148 | 148 | 80 |
| 4. | Chirocentrus | — | 6 | 8 | 14 | 9 |
| 5. a) | Oil sardine | — | 12 | 8 | 20 | 203 |
| b) | Lesser sardines | — | — | 212 | 212 | 628 |
| c) | Hilsa ilsha | — | — | — | — | — |
| d) | Other Hilsa | — | 1 | — | 1 | 1 |
| e) | Anchoviella | — | — | — | — | 3 |
| f) | Thrisocles | — | 11 | 220 | 231 | 54 |
| g) | Other clupeids | 1 | — | 17 | 18 | 94 |
| 6. a) | Harpodon nehereus | — | 5 | — | 5 | 20 |
| b) | Saurida & Saurus | — | — | — | — | — |
| 7. | Hemirhamphus & Belone | — | 1 | 3 | 4 | 7 |
| 8. | Flying fish | — | — | — | — | — |
| 9. | Perches | 1 | 7 | — | 8 | 13 |
| 10. | Red mullets | — | — | — | — | — |
| 11. | Polynemids | — | — | — | — | — |
| 12. | Sciaenids | — | 6 | 59 | 65 | 1,611 |
| 13. | Ribbon fish | — | — | 11 | 11 | 16 |
| 14. a) | Caranx | — | 3 | 39 | 42 | 125 |
| b) | Chorinemus | — | — | 9 | 9 | 6 |
| c) | Trachynotus | — | — | — | — | — |
| d) | Other carangids | — | — | — | — | — |
| e) | Coryphaena | — | — | — | — | — |
| f) | Elacate | — | — | 35 | 35 | 2 |
| 15. a) | Leiognathus | — | 8 | 58 | 66 | 101 |
| b) | Gazza | — | — | — | — | — |
| 16. | Lactarius | — | — | 2 | 2 | 5 |
| 17. | Pomfrets | — | — | 19 | 19 | 7 |
| 18. | Mackerel | — | — | 105 | 105 | 432 |
| 19. | Seer fish | — | 1 | 331 | 332 | 20 |
| 20. | Tunnies | — | — | 258 | 258 | 1 |
| 21. | Sphyraena | — | — | 1 | 1 | — |
| 22. | Mugil | — | 1 | 1 | 2 | 3 |
| 23. | Bregmaceros | — | — | — | — | — |
| 24. | Soles | — | — | 20 | 20 | 15 |
| 25. a) | Penaeid prawns | 2 | 11 | 8 | 21 | 276 |
| b) | Non-penaeid prawns | — | — | — | — | — |
| c) | Lobsters | — | — | — | — | — |
| d) | Crabs & other crustaceans | — | — | 3 | 3 | — |
| 26. | Cephalopods | — | — | — | — | 27 |
| 27. | Miscellaneous | 4 | 11 | 42 | 57 | 107 |
| Total | | 9 | 89 | 1,728 | 1,826 | 3,907 |

Table 11 Composition of marine fish landings in Maharashtra during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III Qr. 1977 |
|--------------|---------------------------|--------------|--------------|---------------|---------------|------------------------|
| 1. | Elasmobranchs | 171 | 223 | 737 | 1131 | 504 |
| 2. | Eels | — | — | 341 | 341 | 289 |
| 3. | Cat fishes | 535 | 188 | 1,112 | 1,835 | 503 |
| 4. | Chirocentrus | — | 7 | 87 | 94 | 174 |
| 5. a) | Oil sardine | — | — | — | — | — |
| b) | Lesser sardines | 5 | — | 63 | 68 | 26 |
| c) | Hilsa ilsha | — | — | 1 | 1 | — |
| d) | Other Hilsa | — | — | 17 | 17 | 110 |
| e) | Anchoviella | 15 | — | 22 | 37 | 189 |
| f) | Thrisocles | 5 | 39 | 102 | 146 | 73 |
| g) | Other clupeids | 204 | 178 | 528 | 910 | 1,945 |
| 6. a) | Harpodon nehereus | 865 | 734 | 2,013 | 3,612 | 4,291 |
| b) | Saurida & Saurus | — | 52 | 152 | 204 | — |
| 7. | Hemirhamphus & Belone | 2 | — | 28 | 30 | — |
| 8. | Flying fish | — | — | — | — | — |
| 9. | Perches | 76 | 413 | 795 | 1,284 | 7 |
| 10. | Red mullets | — | — | — | — | — |
| 11. | Polynemids | 21 | 2 | 92 | 115 | 89 |
| 12. | Sciaenids | 622 | 581 | 903 | 2,106 | 2,533 |
| 13. | Ribbon fish | 301 | 432 | 1,278 | 2,011 | 559 |
| 14. a) | Caranx | 1 | 20 | 112 | 133 | 18 |
| b) | Chorinemus | — | 13 | 150 | 163 | 12 |
| c) | Trachynotus | — | — | — | — | — |
| d) | Other carangids | — | — | — | — | — |
| e) | Coryphaena | — | — | — | — | — |
| f) | Elacate | — | — | — | — | — |
| 15. a) | Leiognathus | 1 | 1 | 19 | 21 | 23 |
| b) | Gazza | — | — | — | — | — |
| 16. | Lactarius | — | 15 | 62 | 77 | 95 |
| 17. | Pomfrets | 16 | 71 | 823 | 910 | 3,421 |
| 18. | Mackerel | 4 | 7 | 60 | 71 | 21 |
| 19. | Seer fish | — | 1 | 326 | 327 | 422 |
| 20. | Tunnies | 195 | 325 | 119 | 639 | 1 |
| 21. | Sphyraena | 3 | 5 | 1 | 9 | — |
| 22. | Mugil | 36 | 5 | 14 | 55 | 25 |
| 23. | Bregmaceros | — | — | — | — | — |
| 24. | Soles | 166 | 5 | 5 | 176 | 107 |
| 25. a) | Penaeid prawns | 2,240 | 2,277 | 4,958 | 9,475 | 3,576 |
| b) | Non-penaeid prawns | 626 | 449 | 446 | 1,521 | 3,978 |
| c) | Lobsters | 3 | 50 | 66 | 119 | 7 |
| d) | Crabs & other crustaceans | 57 | 1 | — | 58 | 12 |
| 26. | Cephalopods | 32 | 3 | 16 | 51 | 26 |
| 27. | Miscellaneous | 423 | 594 | 1,531 | 2,548 | 4,157 |
| Total | | 6,625 | 6,691 | 16,979 | 30,295 | 27,193 |

Kerala

In this State the catch increased by 17,530 tonnes during the period July to September, as compared to the corresponding period in 1977. The increase in total catch was due to higher landings of *Anchoviella*, perches, sciaenids, ribbon fish, *Lactarius*, mackerel, tunnies, penaeid prawns and cephalopods. The landings of elasmobranchs, cat fishes, oil sardines, lesser sardines, *Caranx*, *Leiognathus*, pomfrets, seer fish and soles, however, were comparatively poor. From Table 8 it is noticed that the maximum landings were in September, forming 44.46% of the total catch of the quarter, the percentages of the catch for July and August being 29.68 and 25.86 respectively.

Karnataka

The catch in Karnataka during the quarter almost doubled when compared to that of the corresponding quarter of 1977. The successful fishery in respect of oil sardine, *Thrissocles*, other clupeids, sciaenids, ribbon fish, *Leiognathus*, mackerel, soles and penaeid prawns contributed to this increase in catch. The landings of *Anchoviella*, perches, pomfrets and tunnies, however, showed a decline. The specieswise catch details are shown in Table 9 from which it is seen that the landings in September were the maximum, the minimum being in the month of July.

Goa

The marine fish production in Goa declined by 2,081 tonnes in this quarter. While the landings of elasmobranchs, cat fishes, *Thrissocles*, *Elacate*, seer fish and tunnies showed some increase, oil sardine, lesser sardines, other clupeids, sciaenids, *Caranx*, *Leiognathus*, mackerel, penaeid prawns and cephalopods recorded poor landings. From table 10 it is seen that the maximum landings were recorded in September and the minimum in July.

Maharashtra

The total landings in Maharashtra showed an increase of 3,102 tonnes as compared to the corresponding period in 1977. A substantial increase in the landings of elasmobranchs, eels, cat fishes, *Thrissocles*, perches, *Saurida & Saurus*, ribbon fish, *Caranx*, *Chorinemus*, tunnies, soles, penaeid prawns, lobsters, crabs & other crustaceans and cephalopods was noticed. The catch of *Chirocentrus*, *Hilsa*, *Anchoviella*, other clupeids *Harpodon nehereus*, sciaenids, pomfrets, seer fish and non-penaeid prawns, however, showed some decline.

Table 12 Composition of marine fish landings in Gujarat during the period July to September 1978 (in tonnes)

| Sl. No. | Name of fish | July | August | Sept. | Total | Total for III Qr. 1977 |
|---------|---------------------------------|-------|--------|--------|--------|------------------------|
| 1. | Elasmobranchs | 167 | 422 | 2,457 | 3,046 | 1,371 |
| 2. | Eels | — | — | 212 | 212 | 40 |
| 3. | Cat fishes | 100 | 78 | 212 | 390 | 313 |
| 4. | <i>Chirocentrus</i> | 3 | 5 | 100 | 108 | 103 |
| 5. a) | Oil sardine | — | — | — | — | — |
| b) | Lesser sardines | — | — | — | — | — |
| c) | <i>Hilsa</i> | 6 | 2 | 9 | 17 | — |
| d) | Other <i>Hilsa</i> | 91 | 79 | 176 | 346 | 340 |
| e) | <i>Anchoviella</i> | — | — | — | — | — |
| f) | <i>Thrissocles</i> | 2 | — | 5 | 7 | 6 |
| g) | Other clupeids | 35 | 25 | 49 | 109 | 298 |
| 6. a) | <i>Harpodon nehereus</i> | 58 | 42 | 346 | 446 | 491 |
| b) | <i>Saurida & Saurus</i> | 2 | — | — | 2 | 36 |
| 7. | <i>Hemiramphus & Belone</i> | — | — | — | — | — |
| 8. | Flying fish | — | — | — | — | — |
| 9. | Perches | 1 | 11 | 9,653 | 9,665 | 50 |
| 10. | Red mullets | — | — | — | — | 38 |
| 11. | Poly-nemids | 130 | 80 | 72 | 282 | 7 |
| 12. | Sciaenids | 147 | 12 | 12,872 | 13,031 | 13,161 |
| 13. | Ribbon fish | 1 | 28 | 997 | 1,026 | 745 |
| 14. a) | <i>Caranx</i> | 2 | 17 | 2 | 21 | 20 |
| b) | <i>Chorinemus</i> | 1 | — | 123 | 124 | 224 |
| c) | <i>Trachynotus</i> | — | — | — | — | — |
| d) | Other carangids | — | — | — | — | — |
| e) | <i>Coryphaena</i> | — | — | — | — | — |
| f) | <i>Elacate</i> | — | — | — | — | — |
| 15. a) | <i>Leiognathus</i> | — | — | — | — | — |
| b) | <i>Gazza</i> | — | — | — | — | — |
| 16. | <i>Lactarius</i> | — | — | — | — | 973 |
| 17. | Pomfrets | 185 | 7,603 | 267 | 8,055 | 1,581 |
| 18. | Mackerel | — | — | — | — | — |
| 19. | Seer fish | 22 | 3 | 381 | 406 | 118 |
| 20. | Tunnies | — | 1 | 764 | 765 | 40 |
| 21. | <i>Sphyraena</i> | — | — | — | — | — |
| 22. | <i>Mugil</i> | 54 | 28 | 75 | 157 | 209 |
| 23. | <i>Bregmaceros</i> | — | — | — | — | — |
| 24. | Soles | — | — | — | — | 27 |
| 25. a) | Penaeid prawns | 19 | 27 | 1,624 | 1,670 | 2,326 |
| b) | Non-penaeid prawns | 21 | 29 | 88 | 138 | 130 |
| c) | Lobsters | — | — | 14 | 14 | 6 |
| d) | Crabs & other crustaceans | 30 | 8 | — | 38 | 17 |
| 26. | Cephalopods | — | — | 651 | 651 | — |
| 27. | Miscellaneous | 132 | 57 | 1,614 | 1,803 | 373 |
| Total | | 1,209 | 8,557 | 32,763 | 42,529 | 23,043 |

Table II gives the catch particulars of this quarter. The bulk of the landings was recorded in September when about 56% of the total catch of the quarter was obtained. The minimum landings were recorded in the months of July and August during which months the landings remained almost the same.

Gajarat

In Gujarat an increase of about 19,500 tonnes in

the landings was noticed during July to September as compared to the same period in 1977. The increase was due to higher landings of elasmobranchs, eels, cat fishes, perches, polynemids, ribbon fish, pomfrets, seer fish, tunnies, lobsters, crabs & other crustaceans and cephalopods. The landings of clupeids, *Harpodon nehereus*, red mullets, sciaenids, *Chorinemus*, *Lactarius*, *Mugil* and penaeid prawns were poor. The maximum landings were recorded in September and the minimum in July (Table 12).

