		IOS FIP Workplan – FIP under V3.0.										
		NOTE- assumed start date of FIP is early 2	025, assumed con	npletion date is 20	29							
Proposed Actions – stock assessment		Proposed Actions	Outputs	Year start	Year End	Time budget	Lead responsibility	Year 1 actions in detail	Days budgeted	Progress	Audit trace	Notes
A2.2 – The assessment provides an estimate of the status of the blookjeal stock relative to a reference point or proxy.	There are indicators that some reference proxies are available, including BMS and FMSY. While traditional reference points like TFP and that of the TFP are not available here, it is noted that for some fisheries biomass-based reference points may not be applicable and measures such as CPUE might be more warranted. However, as the research by Ratnagri College of fisheries is not the assessment that government bases their management decisions on, without more comprehension, a gap remains.	Promote and encourage the development of a formal fishery management Jain. The focal areas will be 1. Following up the provision of management advice by the CMFRI to the fisheries agencies of Maharashtra and Goa; 2. Seeking information on how the plans will be adopted under relevant fishery laws 3. Seeking information on how comment will be sought, including stakeholder consultation	management plans	Commence early 2025	mid 2028	3 years		1. Seek 3 monthly meetings with Goa and Maharashtra fisheries agencies to ascertain progress on plan development; 2. Find out what their plans are for engaging stakeholders and receiving input 3. Find out what may be the path taken for ensuring that the management plan has a legal basis. 4. Discuss with fishery agencies the incorporation of reference points and commitments to regular (3 yearly) stock assessments	30 days each year for A2.2, A3.2, A3.3 and A4.1 in total			
	Whilst a proxy is used, this still must be applied into the management plan, evidence of which could not be found during this initial assessment.	promote and encourage the development of a formal fishery management plan. The focal areas will be 1. Following up the provision of management advice by the CMFRI to the fisheries agencies of Maharashtra and Goa; 2. Seeking information on how the plans will be adopted under relevant fishery laws 3. Seeking information on how comment will be sought, including stakeholder consultation	management plans Documentation of contacts with	Commence early 2025	mid 2028	3 years	FIP consultants and FIP steering committee	1. Seek 3 monthly meetings with Goa and Maharashtra fisheries agencies to ascertain progress on plan development; 2. Find out what their plans are for engaging stakeholders and receiving input 3. Find out what may be the path taken for ensuring that the management plan has a legal basis. 4. Discuss with fishery agencies the incorporation of reference points and commitments to regular (3 yearly) stock assessments	30 days each year for A2.2, A3.2, A3.3 and A4.1 in total			
A3.3 – Commercial fishery removals are prohibited when the stock has been estimated to be below the limit reference point or proxy (small quotas for research or non-target catch of the species in other fisheries are permissible).	As there are no limit reference points available for this stock, this cannot pass	Promote and encourage the development of a formal fishery management plan. The focal areas will be 1. Following up the provision of management advice by the CMFRI to the fisheries agencies of Maharashtra and Goa; 2. Seeking information on how the plans will be adopted under relevant fishery laws 3. Seeking information on how comment will be sought, including stakeholder consultation	management plans Documentation of contacts with	Commence early 2025	mid 2028	3 years	FIP consultants and FIP steering committee	1. Seek 3 monthly meetings with Goa and Maharashtra fisheries agencies to ascertain progress on plan development; 2. Find out what their plans are for engaging stakeholders and receiving input 3. Find out what may be the path taken for ensuring that the management plan has a legal basis. 4. Discuss with fishery agencies the incorporation of reference points and commitments to regular (3 yearly) stock assessments	30 days each year for A2.2, A3.2, A3.3 and A4.1 in total			
A4.1 – The stock is at or above the target reference point; OR IF NOT: the stock is above the limit reference point or proxy and there is evidence that a fall below the limit reference point would result in fishery closure; OR IF NOT: the stock is estimated to be below the limit reference point or proxy, but fishery removals are prohibited	There is no distinct TRPs in place for this stock, nor are there any LRPs. Therefore, there is also no information available that describes whether the fishery should be closed if these reference points are breached.	development of a formal fishery management plan. The focal areas will be bellowing up the provision of management advice by the CMFRI to the fisheries agencies of Maharashtra and Goa; 2. Seeking informaiton on how the plans will be adopted under relevant fishery laws	Fishery management plans Documentation of contacts with fisheries agencies seeking progress information	Commence early 2025	mid 2028	3 years	FIP consultants and FIP steering committee	1. Seek 3 monthly meetings with Goa and Maharashtra fisheries agencies to ascertain progress on plan development; 2. Find out what their plans are for engaging stakeholders and receiving input 3. Find out what may be the path taken for ensuring that the management plan has a legal basis. 4. Discuss with fishery agencies the incorporation of reference points and commitments to regular (3 yearly) stock assessments	30 days each year for A2.2, A3.2, A3.3 and A4.1 in total			

B1 – Commercial fishery removals are prohibited when the stock has been estimated to be below the limit reference point or proxy (small quotas for research or non-target catch of the species in other fisheries are permissible).	There is very little information and evidence available to analyse the status of this stock.	Aim would be to have an aggregate assessment of all sardine species as they are commonly caught together and in relatively small numbers. Discuss options for this with CMFRI and with relevant state agency for inclusion in management plan	Agreement on a way forward to evaluate status of lesser sardines Assesment of lesser sardines Incorporation of assessment into management plan	Commence early 2025	mid 2028	3 years	FIP consultants and FIP steering committee	Seek discussions with CMFRI about their level of knowledge (volumes, species, areas) about the lesser sardines Hand and the sees a sardines Hand and the sees are discussion with them about the possibility of doing stock assessments of groups of species together. This may require a workshop Hand and the sees are menable to working in this way then we should see if an aggregate stock assessment is feasible. H. If we can get such an assessment it needs to be factored into the management plan.	10 days per year	NOTE - verbal discussions held in Go an 271/124 about this subject. To be followed up when this plan approved	
Da	Several of the Category D species did not pass their PSA.	Collect accurate data on species and volumes via a catch composition study that includes sampling on vessels and includes data on TP interactions (see below) Depending on results, re-analyse the species involved and make a judgement as to how they should be treated in the Fishery Action Plan and Fishery Management Plan	Definitive study on catch composition	Commence early 2025	end 2025	1 year	FIP consultants Research provider	Implement a vessel based catch composition study to determine the individual percentages of all species caught Ensure that all observers are adequately trained. For species that comprise co.1% of the catch these can be excluded from further consideration. For these seasons of the condition of t	10 days per year + research costs		
Db	All of the species that did not pass Da, also did not pass Db due to lack of management measures.	Further work on this will depend on actions taken for Da		early 2026	mid 2028	1.5 years	FIP consultants	To be addressed in future revision of the FAP			
Proposed Actions – Monitoring, Control and Surveillance		Proposed actions	Outputs	Year start	Year End	Time budget	Lead responsibility		Days budgeted		
review to validate the decision making process, outcomes and scientific data.	management system is subject to external review. Only certain reports could be considered for internal review.	Discuss with national government on their intentions regarding an update on current status of the revised National Fisheries Policy (2020). Need to seek information from Goa and Maharashtra on what drives policy review - national, local factors, schedulec reviews etc. Gain an understanding of what drives change in management - research inputs, evidence of problems, demands from fifthersmen after.	Reports and, where possible, any supporting documentation from the departments	Commence early 2025	end 2025	1 year	Local consultant	1. Seek an update from the national fisheries agency on the status of and plans for the revised national fisheries policy and revised national fisheries legislation now that the election has been decided 2. Seek a discussion with the state fisheries management agencies about how they make decisons on changes in management	5 days		
NZ.1.3 - There is evidence of monitoring and surveillance activity appropriate to the intensity, geography, management control measures and compliance behaviour of the fishery.	Despite written documents from Goa and Maharashtra about MCS, only Goa provided amy detail. This also demonstrated 19 incidents of violations between 2023-2024 and was not fishery specific. More specific about the fishery required—particularly Maharashtra - as at present it cannot be evidenced the Monitoring and Surveillance is 'appropriate to the intensity, geography, management control measures and compliance behaviour of the fishery'.	Seek an update from the two fisheries agencies but seek more detail on what specifically is done on the purse seine fishery. Develop a report on the scale, location and intensity of the fishery - numbers of		Commence early 2025	mid 2028	2.5 years	FIP consultants	1. Seek updated letters from the departments on enforcement actions but also need more detail on fishery specific actions. Are they now checking fish sizes, for example? 2. Prepare a report on the fishery - number of vessels, number of vessels, number of favy as sea, where they fish (where is it open for fishing), this report can assist with other activities such as Ez.1.2.	5 days oer year		

M2.3.1 – The level of compliance is documented and updated routinely, statistically reviewed and available. M2.3.2 – Fishers provide additional information and cooperate with management/enforcement agencies/organisations to support the effective management of the fishery.	There is some evidence as provided by the departments (MCS letters), but it is not understood if it is statistically reviewed and how often it is updated, nor what data actually relates to the specific fishery under assessment. Further information required to fully close this out. Adequate information and/or record supporting the fact that fishers provide additional information and cooperate with management/enforcement agencies/organisations to support the effective management of the fishery has not been found.	in response to the same indicator, especially in regards to statistical analyses. Pending this review develop what information is required from fishery MCS staff. Describe mechanisms used to police the new size limits (e.g. sample sizes, percentages tolerated etc). Develop a better understanding of how the government and the industry interact via discussions with both parties Have local committees been established in accordance with regulation (e.g.	Report prepared Discuss with fisheries agencies about mechanisms for	Commence early 2025	mid 2026	1.5 years 6 months	FIP consultants Local consultant and FIP steering committee	Seek updated letters from the departments on enforcement actions but also need more detail on fishery specific actions. Do they do any analyses of the data to see if the number of offences is declining, static or increasing? To be addressed in future revision of the FAP	5 days per year		
Proposed Actions – ecosystem and protected, endangered and threatened		Proposed Actions – protected, endangered and threatened species	Outputs	Year start	Year end	Time budget			Days budgeted		
species E1.1.2 – Interactions between the fishery and ETP species are recorded and reported to management organisations.	There is no third-party (e.g. observer) data that would be able to demonstrate that the fishery does not interact with ETP species, therefore, there is no way of understanding how the fishery communicates and reports incidents to management organisations. Scientific papers are available that demonstrate low ETP catch rate in Indian purse seine fisheries compared to gillnet fisheries, but these are largely outdated and are not specific to the fishery being assessed.	Conduct a study of ETP interactions with the fisheries. Can be conducted whilst researchers are on board vessels collecting catch composition information.	Resarch project documenting any ETP species interactions and catch composition	Second half of 2025 when 2025/26 fishing season starts	mid 2027	2.5 years	FIP consultants	Discuss with the college of fisheries (can they do Goa as well as Maharashtra) or CIFT a study of ETP interactions with our fisheries of interest. Discuss the proposed project with fishermen as they will have to collaborate (which will help with NZ.3.2). Develop a project proposal for implementation in the 2025/26 fishing season	10 days per year plus research costs		
E1.3.2 – The measures are considered likely to achieve the objectives of regional, national and international legislation relating to ETP species.	Despite there being letters provided from Maharashtra and Goa about the monitoring and compliance, there are a number of other measures that are unaccounted for	Need to update information from the departments on the rewards scheme and any other actions they are taking. Need to clarify what is meant by the 'number of other measures'	Report available updating incentive scheme	mid 2027	Late 2028	1.5 years	Local consultant	Seek information from the fisheries agencies on the reward scheme they run for getting fishermen to release ETP species. Need to get numbers per year, by fishery (especially purse seining) and by species (turtles, dolphins)	5 days per year		
scale, location and intensity of fishing activity relative to habitats is collected.	on these environments.		Report on risk to critical habitats available	Commence early 2025	end 2026	1.5 years	FIP consultants	Seek information from researchers who have mapped seagrasses and corals to see if they have any new can have access to base maps (the maps in published papers are very small and large scale and difficult to read). Talk to the hydrographic office to obtain a bathymetric chart of the waters of Goa and Maharashtra Talk to the researchers who use GIS as a tool to seek if they can overlay seggrass/coral distribution maps on the bathymetry and add the fishery zoing boundaries	10 days per year		
E2.2.1 – The information collected in relation to E2.1.3 indicates that the fishery does not have a significant negative impact on marine habitats.		Need to overlay water depth and depth of nets and areas open for fishing to see if there is any potential for impact. Need information from fishermen on how deep the nets fish, distance offshore and bathymetry. Then put into GIS mentioned above. Onboard researchers to gather data on setting locations and depths of water during sets.	Report of discussions with fishermen over their netting practices Information provided to risk assessment in 1.3.2	Commence early 2025	end 2026	1.5 years	FIP consultants	Talk with fishermen and gear experts about the depth of the gear (from float lilne to purse rings) and the depth of water they operate in 2. Use information from 2.1.2 (bathymetry) to evaluate risk of seabed interaction. Information from onboard research program to be fed into risk assessment.	10 days per year		

collected in relation to E3.1.3 specific catch composition limits the indicates that the fishery does not have a significant negative contribution of the fishery to total impact on marine ecosystems. ecosystem impacts. Furthermore, several Productivity and Susceptibility Analysis (PSA) were conducted as required by Marin'trust assessment criteria, and currently did not pass which does not provide confidence that the fishery does not have a significant	model is covered in the fishery	early 2027	end 2027	1 year	FIP consultants	To be addressed in future revision of the FAP		
the fishery does not have a significant								