

PROCEEDINGS OF THE ENVIRONMENTAL PUBLIC HEARING HELD
ON 11/07/2016 AT 10.00 AM AT JAI KISSAN CLUB HALL, NEAR
AIRWAY PUBLIC SCHOOL, ZUARINAGAR GOA

In respect of:

Proposed 30 TPH Fertilizer Blending Unit for Customized NPK Production, 25 MW along with MP steam (37 kg/Cm²g) Gas Turbine (GT), Unfired Capacity of 50 MT/Hr. (70 MT/Hr. with supplementary firing) Heat Recovery Steam Generator (HRSG) and 1x5000 MT Atmospheric Ammonia Storage Tank and Urea Granulation Plant (expansion of Urea Production from 1500 MTPD to 1800 MTPD i.e. Urea Prilling:1200 MTPD + Urea Granulation Unit: 600 MTPD) at the existing facility at Zuarinagar, Goa by M/s. Zuari Agro Chemicals (ZACL)..

This Public Hearing is conducted as per the Revised EIA Notification dated 14/09/2006 as amended, Shri. Johnson Fernandes, Additional Collector – II (South), welcomed the public present for the Environmental Public Hearing, and requested the public present to express their views/objections/suggestions if any, after the Project Proponent gives its presentation and the same will be recorded and forwarded to the Concerned Regulatory Authority, for processing the application regarding Environmental Clearance.

The Representatives of the Project Proponent have thereafter made a Power Point presentation concerning the project by explaining the contents thereof in Konkani/English language.

Thereafter, the Chairman/Additional Collector called upon those present to seek information or clarification on the project from the Project Proponent, if desired.

Preliminary objection

Mr. Savio Corriea raised preliminary objection, stating that as per para 2.4 of the EIA Notification, the EIA report has to be displayed for public reference at Public Libraries in addition to the public places/offices and in support of his oral objection a written objection too was filed by him along with a copy of the Judgement passed by the Delhi High Court and a press clipping whereby in 2012-13 proceedings were adjourned because the procedure was not followed.

Some of the public members present stated that people are not present for today's hearing. Hence, the same may be adjourned and held on some other date.

Chairman/Additional Collector stated that no EIA copy was kept in Public Libraries. However, he read out the relevant para of EIA Notification wherein it is clearly mentioned that EIA report shall be displayed at various public offices and

the same is done. The reference of the EIA report at the public hearing is not mandatory. Public were also made aware regarding the scheduled Public hearing by making announcement through amplified vehicle for continuous two days and also poster were pasted at all conspicuous places.

Upon hearing the preliminary objections, the Chairman/Additional Collector decided to go ahead with the process of the Public Hearing because the intent of the said para 2.4 of the procedure to conduct public hearings is to bring about transparency by letting people know as to what is happening or suppose to happen in their backyard which stands fulfilled as the preliminary EIA report was well acaliable in public places and wordings used in the said para is "or" and not "and" to place the EIA report/study for viewing / perusing by the public and hence, called upon the Project Proponent to give a power point presentation of the project, by not considering the Preliminary Objection.

Accordingly, the following individuals have raised the issues/gave suggestions which are as under:

1.	R.G. Furtado, resident of Fatorda
•	Submitted letter including circular regarding publicity to make part of the proceedings.
Question	<p>Pipeline laid down to the sea should be sealed.</p> <ul style="list-style-type: none"> - Email sent to Pollution Control Board to send notice after 10 days as per circular attached. - Inspection reports of Goa State Pollution Control Board show that effluents are discharged into the sea. - Goa State Pollution Control Board has written two letters asking the company to seal and shut down the pipeline. - According to me the pipeline should be closed in view of the fact that the company claims the water requirement will be less and enough storage facility available. - For the last 40 years the company claims that there is no discharge of effluents into the sea and the company has never taken prior approval from Goa State Pollution Control Board due to upset conditions. - Therefore the pipeline should be sealed. - Information to be provided whether the Title deeds are in the name of the company. - Wanted reply to queries raised in the letter dated 7th July

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	2016 to Goa State Pollution Control Board
Reply of the Project Proponent	<ul style="list-style-type: none"> - Two settling pond each of 150 m3 capacity - Three holding Ponds each of capacity 300 m3 capacity - Guard Pond of 650 m3 capacity - Online CEMS for utilities, boiler stack commissioned on 15th July 2013, - Online CEMS for Ammonia reformer commissioned on 31st May 2015. - It's a Zero effluent plant. The pipeline is monitored with camera and flow meter as per the mandate of the Central Pollution Control Board. The Monitoring is done on a real time basis and is monitored by Central Pollution Control Board. - Land title issue – since this has no direct basis to the proposed project these questions may be put forth to the appropriate forum. - The expansion/modernisation is within the existing factory premises and the plant is situated on two survey numbers which are registered in the name of the company i.e Zuari Agro Chemicals Ltd. - The company will provide reply to the queries raised in the letter dated 7th July 2016 to Goa State Pollution Control Board
2.	Narayan Naik – Sancoale.
Question	<ul style="list-style-type: none"> - There is no lease deed signed with the Sancoale Comunidade. - Further they have not received any such proposal from the company. - Fields are destroyed because of pollution. What steps are taken to remediate. - People are not aware of public hearing hence, not present. - Existing structure – whether approved plan is there or not if not get it approved . Asses the tax.
Reply of the Project	<ul style="list-style-type: none"> - This is not a forum to clarify regarding land & tax issues. - Water consumption details are provided in the EIA Report.

Proponent	<ul style="list-style-type: none"> - Reverse Osmosis unit already installed. - Water is re-used/ re-cycled. - Every modernisation has an advantage of reducing or re-cycling water.
3	Savio Corriea, Mangor Hill, Vasco
Question	Made the following submissions under protest:
	<ol style="list-style-type: none"> 1. The project site falls under CRZ area. Setting up of new industries and expansion of existing industries is prohibited within CRZ. 2. Eco-sensitive zones within private forests coming within study area have not been considered in Draft EIA Report. 3. Failure to incorporate adequate living condition for labour. 4. Regarding disposal of construction waste. 5. Regarding contaminated soils. 6. Regarding emission from production processes 7. Contradictions on information regarding handling of hazardous wastes during operational period. 8. Existing roads grossly inadequate to cater to project demands, and will aggravate traffic congestion within Vasco city. 9. Dangers arising out of excessive use of NPK 10. What will be the impact on Wetlands within 10 Km area? No reference are found in the report?
Reply of the Project Proponent	<ul style="list-style-type: none"> - The present project is within existing premises. The Project proponent has communicated on the matter with the GCZMA which has given its recommendations. These will be considered by the MoEF at the time of EC clearance. Details will be provided in the final report. - Private Forests being out of bounds have not been studied. The Project Proponent is willing to consider specific private forests in the study area if provided a list of the same. - Adequate living conditions for labour have been considered and will be provided as per relevant norms issued by the State and National Government. - Construction waste will be segregated and recycled or

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	<p>disposed as per relevant norms and Rules.</p> <ul style="list-style-type: none"> - There will be no contaminated soils due to the proposed project. - Proposed Emissions have been clearly demarcated along with their potential impact on ambient air in the EIA report and indicate marginal increase in base line Ambient Air Quality well below norms specified by the CPCB. - There will be negligible increase in Hazardous Waste from the proposed plant. - The raw materials for the customised fertilizer facility would be received from nearby districts and the trucks carrying the same would not be plying on the MPT – Zuarinagar route/road. The products would be sent to districts in Maharashtra and Karnataka and therefore the aforementioned route will not be congested. - The customized NPK fertiliser project addresses the very same issue by means of application of crops/soil specific fertilisers which are fortified with micro nutrients. - Water samples from three ponds, stream and dam have been collected as part of the study. Mangroves and other benthic and micro flora fauna have been studied. No obvious correlation between the company's activities and other wetlands have been observed and therefore these have not been studied.
4	Ramakant Borkar – Sarpanch Sancoale Village Panchayat
Question	<ul style="list-style-type: none"> - Whether project is coming at the existing site. If at all there is blast like Bhopal tragedy if it is required then all measures should be taken but due to this project if you are doing whatever the project. - No objection for the project if there no issue no hazards and beneficial to the people whatever the doubts are there in the minds of the people. - Which company is undertaking this project? Whether Zuari Agro Chemicals, Zuari Industries or Adventz?
Reply of the Project Proponent	<ul style="list-style-type: none"> - Yes, all the proposed projects will be installed within the existing factory premises. - Yes, all precautionary measures will be taken. - Zuari Agro Chemicals Ltd. is undertaking the project and

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	Adventz is the name of the group of which Zuari Agro Chemicals Ltd. is a part of.
5	Edward Fernandes, R/o. Vidyanagar
Question	- If project is good we don't mind but come to the public. Have meeting in public venues and not in private venues organise on public holidays. Explain as the whole project and there will not be any issue. He had no notice of this Public Hearing.
Reply of the Project Proponent	Adequate publicity was given for the Public Hearing as per the EIA notification. This included advertisement on four newspapers (i.e. Herald, Navhind Times, Indian Express and Tarun Bharat) one month before the proposed hearing. Advertisement were also given on T.V. channels (i.e. Goa 365, HCN and Prudent Media). Announcements were made on loud speakers in nearby areas.
6	Manoj Naik, Representative of Umiya Habitat, Sancoale
Questions	<ul style="list-style-type: none"> - Not aware of the Environmental Public Hearing. How much amount operation on Sancoale village under CSR activity 400 people working in slum area what is being done for slum people. - Why is the company not taking any measures for garbage collection? - Nuisance of Ammonia smell in Umiya Housing Society - Committee to be formed for monitoring.
Reply by the Project Proponent	- Concerns duly noted. Matter pertaining to publicity of the PH has been given in the previous answer.
7	Simon D'souza, R/o. Sancoale
Questions	<ul style="list-style-type: none"> - Notice of management that agreement between Zuari and Comunidade was that Sancoale would be an adopted village. - What improvement done in the village – people get diseases, pollution, plants not growing what steps are going to be taken in this regards. Water is smelling. <p>CSR</p> <ul style="list-style-type: none"> - What percentage spent on Sancoale Village.

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	- Employment to be given to Qualified Sancoale Villagers
Reply	- CSR activities already mentioned in the report. Zuarinagar is also part of Sancoale.
8	Felix D'costa – ex employee, Zuari
Question	What is the responsibility of the company regarding the health of the retired employees. Health premium is not paid. The company should take care of the employees health issues.
Reply	Point noted
9	Manoj Naik , representing Umiya Habitat Housing Society.
Question	<ul style="list-style-type: none"> - The various results displayed does not include - No vehicle provided to village for garbage collection. - GSPCB monitored for one month and during that period, Ammonia was normal, no smell but immediately after GSPCB monitoring system stopped Ammonia smell was noticed. - I was not aware of the Public Hearing. - I oppose the project - Monitoring should be displayed - No toilet provided for people in the slums near the factory. - People's health issues not considered - Roadside garbage should be taken care .
Reply from the Project Proponent	- Noted all the points. The company will consider the above points while framing the CSR project.
10	R.G. Furtado, R/o Fatorda
Question	The company should give all details of land records, inventory register etc., regarding 417 hectares of land was given for specific purpose.
Reply from the Project Proponent	Land issue is not part of Public Hearing. The land issue has to be brought before concerned authorities.
11	Terence Jorge, R/o Curca, Bambolim

Question	<p>These submissions are being made under protest as Sancoale Villagers informed that they did not get sufficient notice under paras 1.0, 2.4 and 3.3 of EIA notification Appendix IV.</p> <p>He read the paras and quoted High Court of Himachal Pradesh order CWP no. 586/2010 along with CWPIL 15/2009 Judgement dated 21/03/2012 requiring the Goa State Pollution Control Board to do their independent study and ensure participation of the Public.</p> <p>Issues with the existing project:</p> <ol style="list-style-type: none"> 1. Is the existing Zuari plant independent of the expansion project being discussed today? 2. Has the existing plant maintained the standards of 25 ppm of phosphate and nitrate contents of treated water at all times? <p>Contrary to the EIA consultants answer as yes, he informed that MoEF letter dated dated 01/09/2009 had found the levels at 250 to 300 ppm.</p> <ol style="list-style-type: none"> 3. Has the existing plant contained the furnace oil storage area to prevent spillage at all times? <p>Contrary to the EIA consultants answer as yes, he informed that MoEF letter dated dated 01/09/2009 had found furnace oil was spilled all over the vicinity.</p> <ol style="list-style-type: none"> 4. What is the guarantee provided that the company will adhere to environmental norms in the future? <p>Issues with Form I for expansion project:</p> <ol style="list-style-type: none"> 1. Has there been any study on water stress in the area or at the source of supplying 2.5 lakh litres per day during operation phase? 2. What are the methods for decontaminating soil and can this return the original quality of the soil (Point 4.9)? 3. Is there hazardous wastes likely to be involved at the plant as indicated at 4.3? Then why is this denied at 8.1? <p>Review of Form I of the project indicates incomplete study. In the background of non compliances of the existing plant and ill effects of chemical fertilizers on soil fertility in the long term, this project would prove detrimental to the public interest and ecology.</p>
Reply	<p>Issues with the existing project:</p> <ol style="list-style-type: none"> 1. No, the proposed plant is coming up in the existing premises

	<p>only.</p> <ol style="list-style-type: none"> 2. Yes, recent records continue to indicate compliance. 3. Yes, recent records continue to indicate compliance. 4. Zuari is committed to upholding and meeting all environmental norms relevant to its activities. <p>Issues with Form I for expansion project:</p> <ol style="list-style-type: none"> 1. No additional water will be used for the expansion project and this was not calculated at the time of preparing Form I. It has been clearly brought out that water consumption will reduce substantially post expansion. 2. The project will not result in reduction in soil fertility. Theoretically speaking, it is very difficult to return the original soil fertility to 100% of its original state. 3. This is an error in Form I which is a typo error. However, the EIA report clearly states the hazardous chemicals associated with the project, their safe management and control. <p>The Form I is a preliminary document that is further developed after the EIA studies and results in the draft EIA which has also been shared with one and all.</p>
12	Navin Jha, R/o. Near MES college.
Question	He wanted an assurance from the company as to when they will initiate measure and stop polluting the environment through Ammonia due to which locals have been facing hardships.
Reply	The Company noted the points and submitted that the technological improvements, measures will be initiated regarding emission of Ammonia in the environment, if any.

Chairman/Additional Collector requested the people present that if they so desire they may file their written objection/suggestion/views within 7 days from today to the GSPCB. The same will be part of the hearing and accordingly it would be forwarded to the concerned Regulatory Authority.

The recorded minutes were accordingly read out to the public in English and Konkani and subsequently after receiving suggestions and as agreed were signed


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by Shri. Johnson Fernandes, Additional Collector – II (South) and Shri Sanjeev Joglekar, Environmental Engineer, Goa State Pollution Control Board.

A total of 124 numbers of persons present for the public hearing have signed the enclosed attendance sheet.

A total of 4 representations have been received.

On this 11th day of July, 2016.



(Sanjeev Joglekar)

Environmental Engineer



(Shri. Johnson Fernandes)

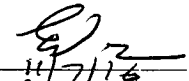
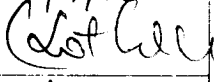
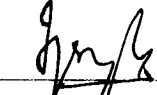
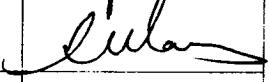
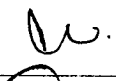
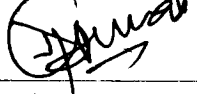

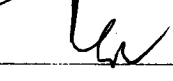
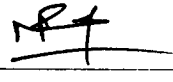
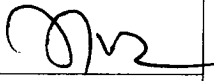
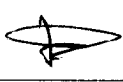
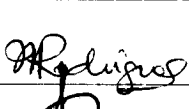
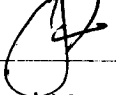
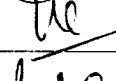
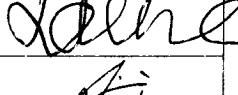
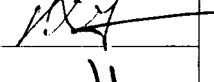
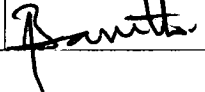
Additional Collector – II (South)

ATTENDANCE SHEET

Sub : Environmental Public hearing for the proposed 30 TPH Fertilizer Blending Unit for Customized NPK Production, 25 MW along with MP steam (37 kg/Cm²g) Gas Turbin (GT), Unfired Capacity of 50 MT/Hr. (70 MT/Hr. with supplementary firing) Heat Recovery Steam Generator (HRSG) and 1x5000 MT Atmospheric Ammonia Storage Tank and Urea Granulation Plant (expansion of Urea Production from 1500 MTPD to 1800 MTPD i.e. Urea Prilling:1200 MTPD + Urea Granulation Unit: 600 MTPD) at the existing facility at Zuarinagar, Goa by M/s. Zuari Agro Chemicals (ZACL).

Date & Time: 11/07/2016 (Monday) at 10:00 am onwards.

Venue: ~~At~~ Jai Kissan Club Hall, Near Airway Public School, Zuarinagar Goa.

Sr.No.	Name	Place	Signature
1	E. R. Vaz	ZUARINAGAR	
2	G. S. Kothekar	Margao	
3	I. S. Mathas	Zuarinagar	
4	A. MASCALON HAS	VERNA	
5	J. C. Sush	Panjim	
6	N. G. Dessai	Zuarinagar	
7	S. Y. Amonkar	Zuarinagar	
8	R. K. GUPTA	Chicalim	
9	Nilkanta Pai Panandke	Margao	
10	J. V. Panvelkar	Porvorim	
11	Lisette Pereira	Panjim	
12	M. Rodrigues	Margao	
13	DR. A. G. Vaidya	Zuarinagar	
14	W. K. Nayaik.	Panjim	
15	N. R. Doure	Zuarinagar	
16	S. N. Achary	Zuarinagar	
17	J. J. Banth	Margao	

Sr.No.	Name	Place	Signature
18	Prem Kumar K	Chicalim	
19	COSME ARAUJO	VERNA	
20	Sachin Patil	D-10 Zuarinagar	
21	Rajas Salta	Vasco	
22	Wency Fernandez	Sancualte	
23	Vijay S. Hajare	Nr. MES College Zuarinagar	
24	Desai Manohar	Zuarinagar	
25	Ajay Nax	Sancualte	
26	Uday Naik	Zuarinagar	
27	Gaurav Desai	Velsao	
28	Rottrik Kurudmath	Sancualte	
29	Aniket Sardesh	Zuarinagar	
30	Pravin Kinnorkar	Margao Zuarinagar	
31	Greg. Dias	Zuarinagar	
32	Sauro Barreto	Canasaulim	
33	ANTONIO CRISTO	MAJORDA	
34	Ernesto V. Salkar	Chicalim	
35	Francis Joaze	Zuarinagar	
36	D.D. ALOR	Zuarinagar	
37	Fernando J. Saldanha	Canasaulim	
38	V. Dhume	Bambolim	
39	Frank J. P	Zuarinagar	
40	Sudheendra	Zuarinagar	
41	Pandurang A. Londe	Zuarinagar	
42	Ravshid Bysan	Zuarinagar	

Sr.No.	Name	Place	Signature
43	Anand Rajadhyaksha	Zuarinagar	
44	Ajit A. Gawkar	Zuarinagar	
45	Upesh S. Naik	Zuarinagar	
46	Raghunath S. Velip	Zuarinagar	
47	Clifford Fernandes	Nurem	
48	Dnyaneshwar Gaware	Zuarinagar	
49	Prashant C. Naik	Cortalim	
50	STEPHEN VAZ	Soliga	
51	D V Tendulkar	Shiroda	
52	A. Dias e Kunte's	Chicalim	
53	Shubha Ramani	Zuquinagar	
54	EKNATH TORASKER	Vasio.	
55	Sadasiv Gudkar	Zuarinagar	
56	K. Shashi	Zuarinagar	
57	Narayan D. Naik	sancoale GOT	
58	SHARAN S. METI Ex Sarpanch & Paeh Member V.P. Saelale	Saelale	
59.	Terence Jorge	EIA Resource Centre IERC	
60.	SANJO CORREIA	Vero da Gama	
61	Ramakant Borica	Sancoale	

ATTENDANCE SHEET



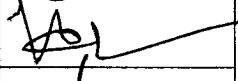

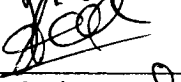
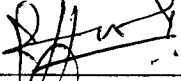
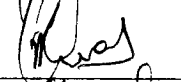

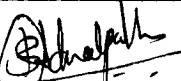
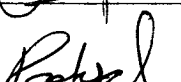
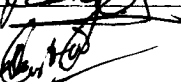
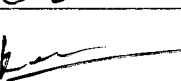
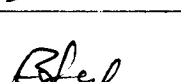



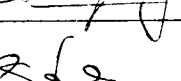
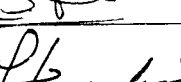
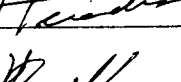
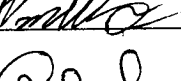
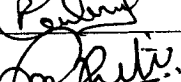
Sub : Environmental Public Hearing for the Proposed 30 TPH Fertilizer Blending Unit for Customized NPK Production, 25 MW along with MP steam (37 kg/Cm²g) Gas Turbine (GT), Unfired Capacity of 50 MT/Hr. (70 MT/Hr. with supplementary firing) Heat Recovery Steam Generator (HRSG) and 1x5000 MT Atmospheric Ammonia Storage Tank and Urea Granulation Plant (expansion of Urea Production from 1500 MTPD to 1800 MTPD i.e. Urea Prilling:1200 MTPD + Urea Granulation Unit: 600 MTPD) at the existing facility at Zuarinagar, Goa by M/s. Zuari Agro Chemicals (ZACL).

Date & Time : 11/07/2016 (Monday) at 10.00 am onwards:

Venue : Jai Kissan Club Nr. Airway Public School, Zuarinagar Goa.

Sr. no.	Name	Place	Signature
1	Mangos. K. Nair	Administrative Omaya - Heb. ku	
2	NAVINI Jha	Resident of MFS college	
3	Sunil D'souza	Sancoale	
4	S. K MISHRA	Vasco	
5	Edward Fernandes	Vidyanagar	
6	Rui C. Araujo	Chicalim	
7	R. G. Buntalo	Mangas	
8	F. M. D Costa	Chicalim	
9	D. J. Samuel	Sancoal	
10	Jayesh Falau	Sancoale.	
11	R. M. Dhawashar	Zuarinagar	
12	D. A. T. M. h	Sancoale	
13	W. N. Luis	Zuarinagar	
14	V. K. Assekar	Dakshin	
15	R. Shinde	Zuarinagar	
16	D. G. Raut Denei	Zuarinagar	

Sr.No.	Name	Place	Signature
17	Dhruvi S. Lahu	Zuvarinagar	
18	D.D. Thakur	Zuvarinagar	
19	P.D. POKER	ZUORINAGAR	
20	S. Bandedkar	Zuvarinagar	
21	K. Varde	Zuvarinagar	
22	Kaver Naik	Cortalim	
23	Firoj M. Oshabbashkhan	POORIM	
24	Francis D Costa	Maeagar	
25	M. Fx VAZ	Curtoim	
26	F. X. D' COSTA	NOVEK	
27	S.R. Venkter	Zuvarinagar	
28	D. Usgankar	Zuvarinagar	
29	Sulaksh. S. Pirokar	Zuvarinagar	
30	Nitin Bhojra	Zuvarinagar	
31	C L N Rao	Zuvarinagar	
32	A. S. D' Souza	C-36 ZACL	
33	G. E D'SOUZA	SIDLIM	
34	C.R. RAIKAR	ALBONA	
35	Elvis D'Sa	Zuvarinagar	
36	Mangesh Naik	Zuvarinagar	
37	NITYANAND S	Zuvarinagar	
38	Tarunkunder	Zuvarinagar	
39	Sireem.	MES, Zuvarinagar	
40	Manoh	Bay village, zu	
41	Karthik	MES, Bay village	

Sr.No.	Name	Place	Signature
42	A. Madkarkan	mapusa	
43	Om Agre	Margao	
44	Vishesh Sahay	old Goa	
45	SUHAS NAIK	MARGAO	
46	Hercules Vas	Margao	
47	Abhishek .S	Vasco	
48	RASHWIN DIAS	MARGAO	
49	UTKARSH NAIK	ZUARINAGAR	
50	SIDDHI ADWALPALKER	VASCO	
51	ROSHAN FERNANDES	MARGAO	
52	Custodio P. Dias	PONDA	
53	KEERTHANA	zuarinagar	
54	B. S. ZAVATKAR	Zuarinagar	
55	Dileep fabrications (Dity)	Zuaris nagar	
56	Ahvil Pradhugankar	Zuan Nagar	
57	Lugappa Lamoni	Zuarinagar	
58	Sunil Gaude	Zuarinagar	
59	Filipa Teodosio	Velsao	
60	Henrique Dimelha	Velsao	
61	Purnima Ekenwade	Consaolim	
62	GAURAV GHATGAL	VASCO	
63	Rohit Shirate	zuari nagar	