











HOME

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CONTACT



Theme: "Geo-Enabling the Global Village: No one should be left behind"

10 - 14 October 2022 // HICC, Hyderabad, India



Contextualising Health and Women Empowerment: Sharing Challenges and Usefulness in Geospatial Visualisation of 300+ gender-disaggregated data in the making of three Atlases

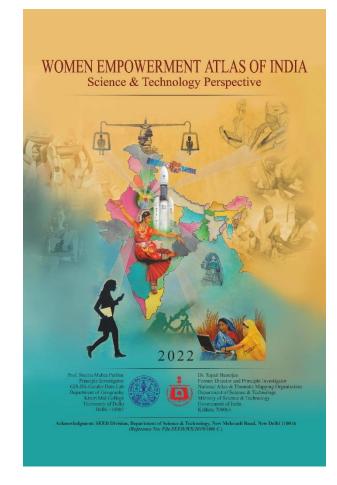
Professor Dr. Seema Mehra Parihar

Fellow, Delhi School of Public Health (DSPH), Institute of Eminence (IoE), University of Delhi (DU)

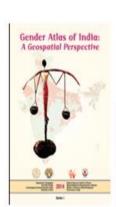
& Faculty, Department of Geography, Kirori Mal College, University of Delhi, India smparihar@kmc.du.ac.in

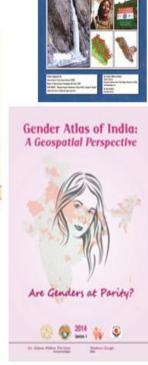
KEY WORDS:

Gender disaggregated data, geo visualisation, three gender atlases, women's health and women empowerment.











Acknowledgement in the beginning to one & All

Inspired & motivated to present deliverables ... (2022-2030)





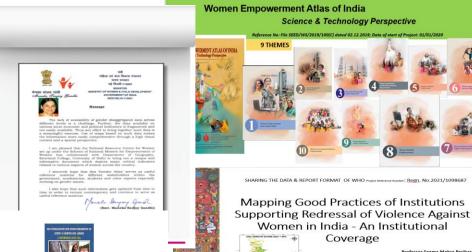


It is commendable that DST, NATMO & University of Delhi (Kirori Mall College) have worked together in conceptualizing and developing this important Atlas and its release on the International Women's Day. I congratulate all the members of the team, especially Dr. Seema Mehra Parihar for contributing towards development of this unique nationally important document. I am confident that this atlas will enable in bringing evidence-based equity and inclusion of women through Science and Technology in the country.



(Dr. Jitendra Singh) MBBS (Stanley, Chennai) MD Medicine, Fellowship (AIIMS, NDL) MNAMS Diabetes & Endocrinology

Shaping Diff









Women in India - An Institutional

Coverage

GOVERNMENT OF INDIA RY OF WOMEN & CHILD DEVELOPMEN NEW DELHI-110 001 (INDIA Ph.: 91-11-23389434

Dated: 28th July, 2016

Fax: 91-11-23073548

ear Dr. Seema

We want to express our commendations and congratulations to you your institution for the successful completion of the Gender Atlas ct sanctioned by National Mission for Empowerment of Women MEW) (Ref. No. 11-16/2013-NMEW/62). The use of Geographic ormation System (GIS) in the preparation of each Thematic Plate has made Atlas more scientific and devoid of biases.

We have thoroughly enjoyed the presentation and going through the que and informative document which depicts gender disaggregated data statistics across the country. The Geospatial and Thematic Perspective of the Atlas will help Social Analysts, Policy Makers, Research Scholars and others in analysis of many relevant issues related to gender differentials in a holistic and integrated manner. We hope that this Atlas will be used to its full potential towards mainstreaming gender concerns across policies, plans and programmes. We also hope that the information gets updated from time to time in order to remain contemporary and continue to serve as useful

May your future endeavors be as successful as this one has been.

With regards,

Dr. Seema Mehra Parihar. Principal Investigator. Gender Atlas of India Projec Associate Professor. Kirori Mal College,





Acknowledgement

PROJECT

Women Empowerment Atlas of India: Science & Technology Perspective
Sanctioned by Department of Science & Technology
Government of India, INDIA

Joint Principal Investigators
Prof Seema Mehra Parihar & Dr. Tapati Bannerjee

It is all about:

Data: Spatial / Attribute

Geospatial Ecosystem

GIS (CSTRAD)

GEOANALYTICS

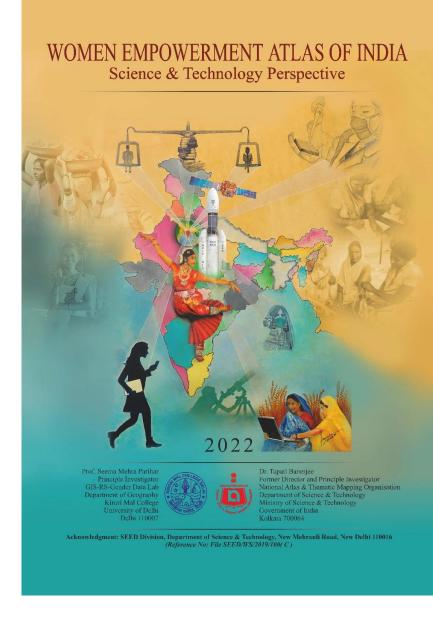
DATA VISUALISATION

(MAPS/GRAPHS/PICTURE

S/CARTOGRAPHY/TEXT)







Why this paper?

WOMEN EMPOWERMENT ATLAS OF INDIA: Science & Technology Perspective A Geospatial Study on the following nine sub-themes: Women Mainstreaming Science and Technology Support Demographic Empowerment Women Health Empowerment Women Education Empowerment Women Safety and Support Women Livelihood Empowerment Women Leadership and Gender Mainstreaming Women Agency and **Decision Making** Government Initiatives & Women **Empowerment**

WHY THIS PAPER?

- Women's Empowerment and health go hand in hand. Gender disparity amidst multiple biases that women face daily, directly and indirectly, has its evil clutches on every woman's health.
- The present paper is based on sharing experiences from the insights of a geographer, cartographer, principal investigator and a member of a geospatial community with social sensitivity while visualising 300 plus gender-disaggregated data while designing, documenting and publishing three geospatial driven Atlases

WHY THIS PAPER? (Contd.)

- The paper aims to unveil usefulness, and challenges right from its inception of theoretical understanding of the word gender by different stakeholders and contextualising how vital a women's health is if gender parity is what we are looking for.
- In addition, searching for ways on real-time geospatial tools to enrich health infrastructure and its accessibility for everyone and not leave anyone behind.

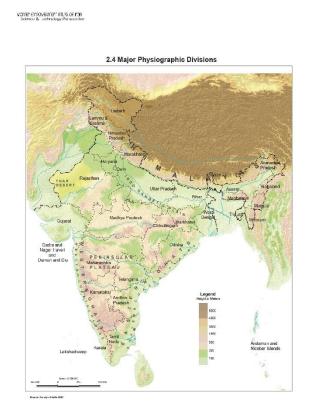
WHY THIS PAPER?

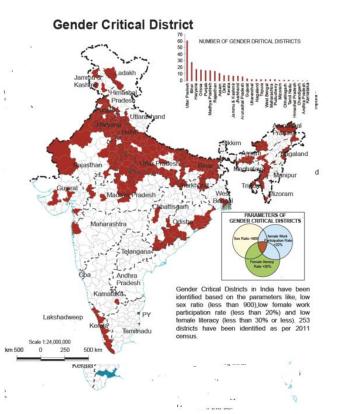
- It is increasingly being recognised that gender perspective must be factored into the whole gamut of development processes, including empowering women's health.
- Sustainable Development Goals (SDGs) are also pointing towards it.
- But, there is still a mismatch between the defacto statuses of women vis-a-vis their de-jure status across geographies.

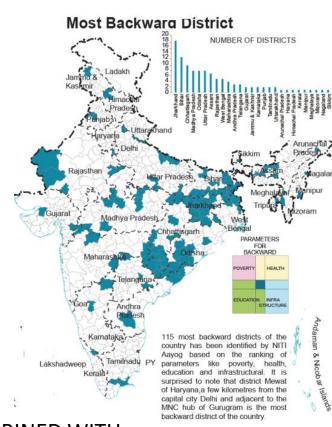
Why geospatial ecosystem?

For creating gender parity

Why maps? Relevance of Geospatial Technology







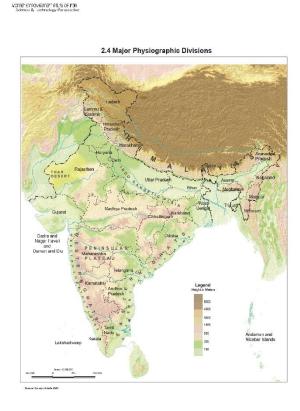
26

KEY QUESTIONS TO PRIMARILY ASK ?...COMBINED WITH NOTING THE PHYSICAL AND CULTURAL DISTRICT? IS IT A GENDER CRITICAL DISTRICT? IS IT A MOST BACKWARD DISTRICT?

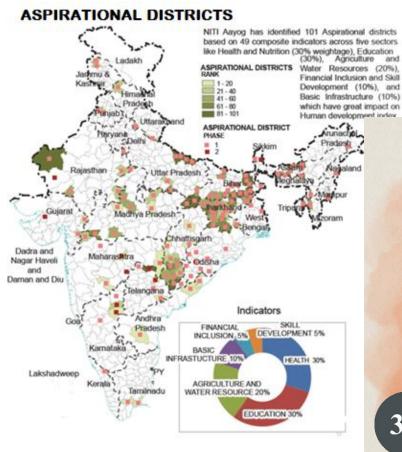
STATE NAMES

- AN Andaman & Nicobar Islands
- AP Andhra Pradesh
- AR Arunachal Pradesh
- AS Assam
- BR Bihar
- CG Chhattisgarh
- CH Chandigarh
- DL Delhi
- DN Dadra & Nagar Haveli
- DD Daman& Diu
- DNHDD Dadra Nagar Haveli and
- Daman and Diu
- GA Goa
- GJ Gujarat
- HP Himachal Pradesh
- HR Haryana
- JH Jharkhand
- JK Jammu & Kashmir
- KA Karnataka
- KL Kerala
- LD Lakshadweep
- LK Ladakh
- MH Maharashtra
- ML Meghalaya
- MN Manipur
- MP Madhya Pradesh
- MZ Mizoram
- ND New Delhi
- NL Nagaland
- OR Odisha
- PB Punjab
- RJ Rajasthan
- SK Sikkim
- TL Telangana
- TN Tamil Nadu
- TR Tripura
- UK Uttarakhand
- UP Uttar Pradesh
- WB West Bengal

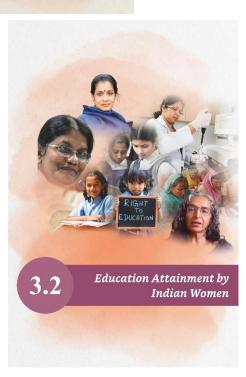
Why maps? Relevance of Geospatial Technology



(26)







Women Empowerment

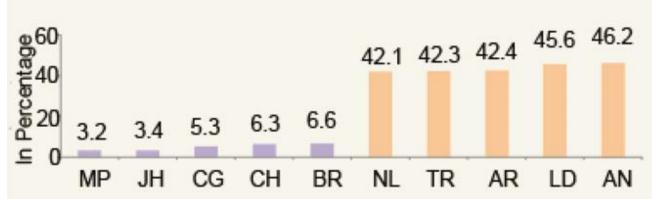
(S&T) Support

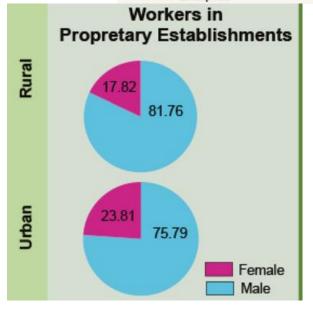
EMPOWERED women???? IS A HEALTHY WOMEN



Rural Women Unemployment

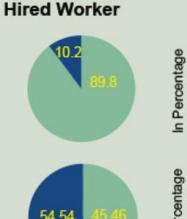
Possesing Secondary and above Qualification

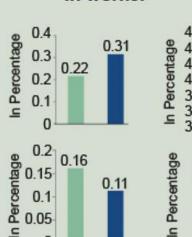






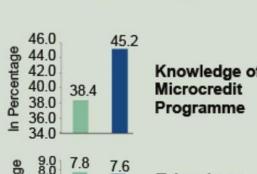






Gender Parity

in worker



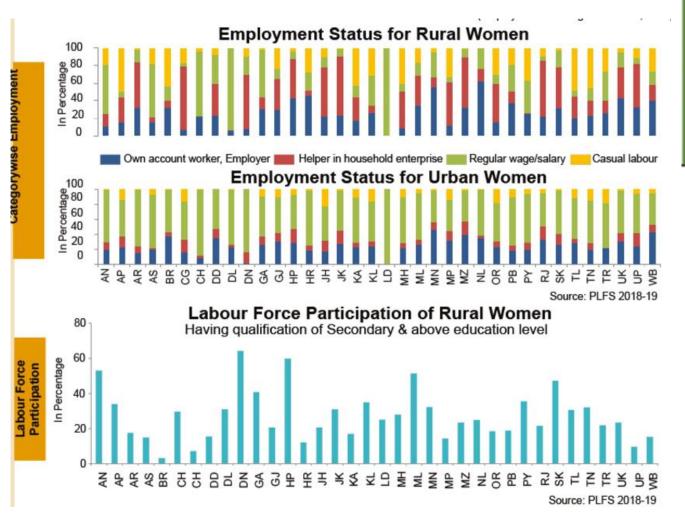
Rural

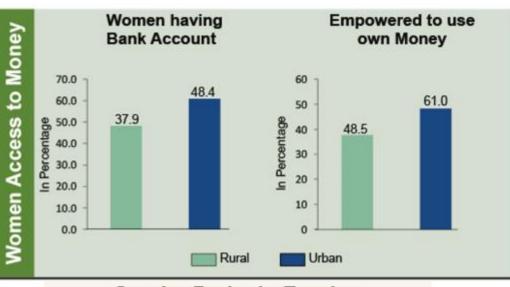
Taken Loan under Microcredit **Programme**

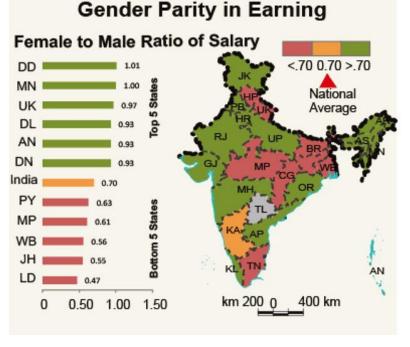
Urban

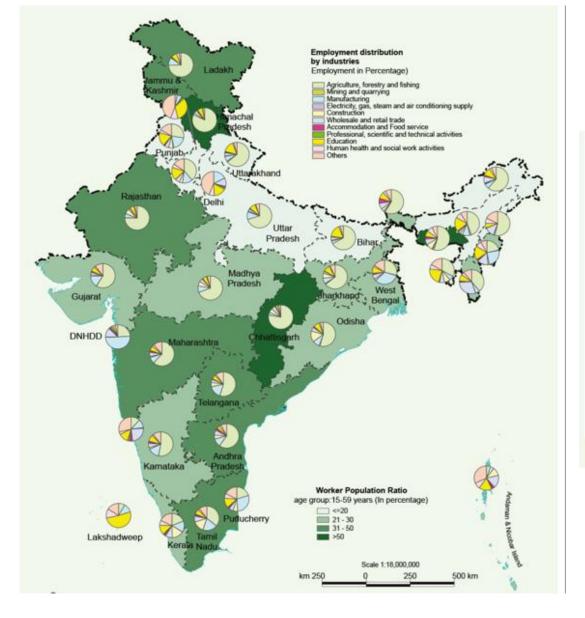
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RURAL Vs URBAN WOMEN





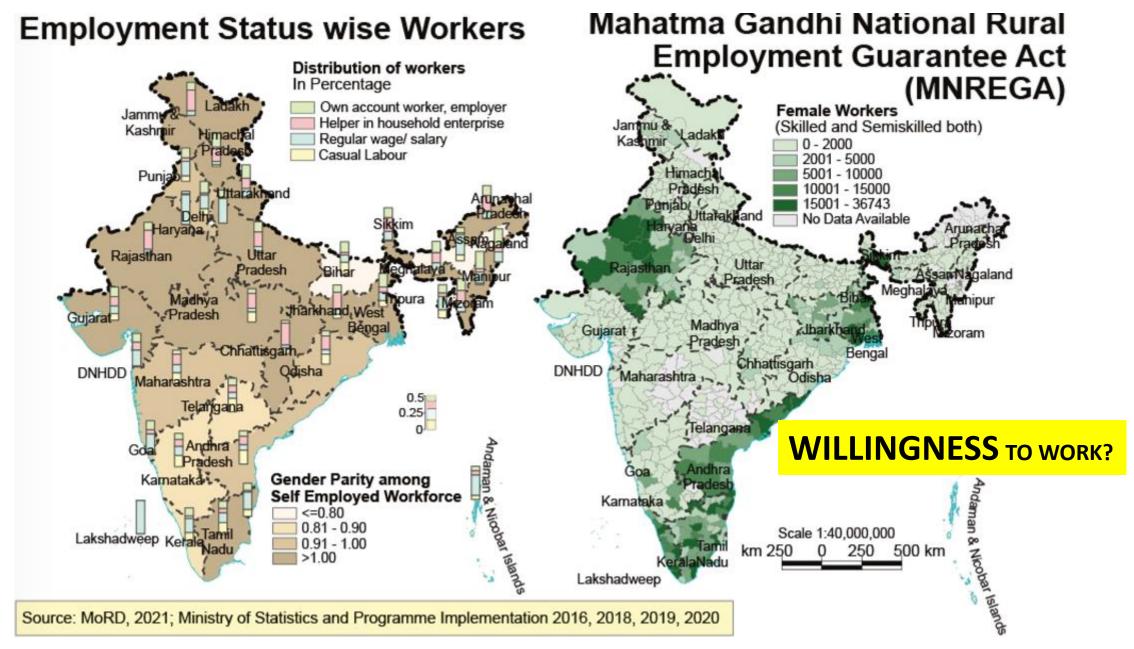


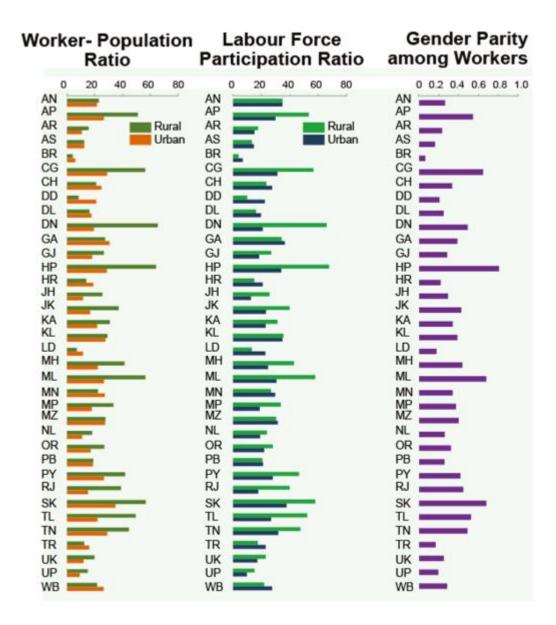


ARE WOMEN WILLING TO WORK?

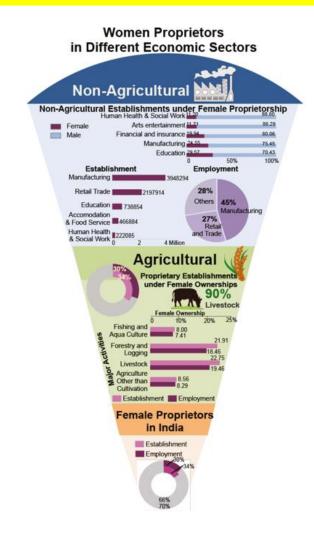


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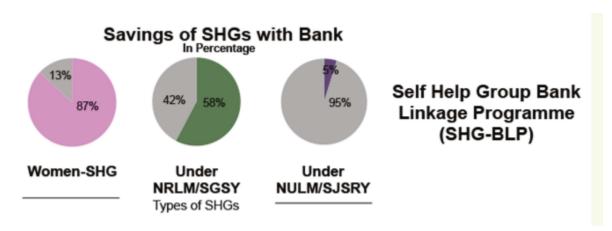


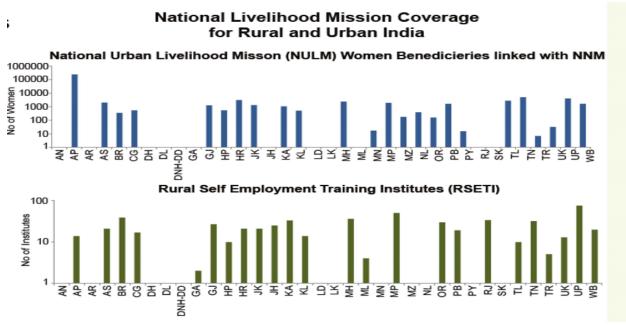


GENDER PARITY IS AGAIN A QUESTION MARK???????









1.4.1 Comparative Assessment of Women Livelinood in the states of India

Priority of States

Development Indicator based Assessment of Priority States

States having values less than the National Average

National Average for each Indicators

States having values more than the National Average

Considerable number of Women Led SHGs are operational under **EAG States**

Meghalaya marks remarkable progress in case of empowerment of Women livelihood

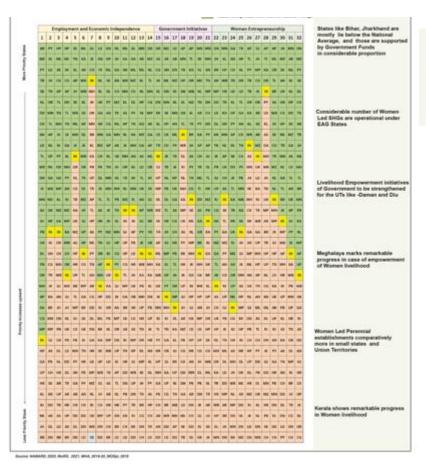
Livelihood Empowerment initiatives of Government to be strengthened for the UTs like -Daman and Diu

States like Bihar, Jharkhand are mostly lie below the National Average, and those are supported by Government Funds in considerable proportion

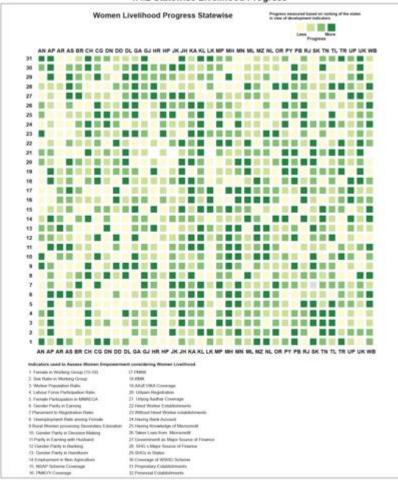
Women Led Perennial establishments comparatively more in small states and **Union Territories**

Kerala shows remarkable progress in Women livelihood

Key Points



4.4.2 Statewise Livelihood Progress



Sharry NASANG 2000 MARK, 2007, 8014, 2019-20, MOSA, 2019

4.4.2 Statewise Livelihood Progress

Women Livelihood Progress Statewise

Progress measured based on ranking of the states in view of development indicators



Indicators used to Assess Women Empowerment considering Women Livelihood

1. Female in Working Group (15-59)	17.PMKK
2. Sex Ratio in Working Group	18.RMK
3. Worker Population Ratio	19.AAJEVIKA Coverage
4. Labour Force Participation Rate	20. Udyam Registration
5. Female Participation in MNREGA	21. Udyog Aadhar Coverage
Gender Parity in Earning	22.Hired Worker Establishments
7.Placement to Registration Ratio	23. Without Hired Worker establishments
8. Unemployment Rate among Female	24. Having Bank Account
9.Rural Women possesing Secondary Education	25. Having Knowledge of Microcredit
10. Gender Parity in Decision Making	26. Taken Loan from Microcredit
11.Parity in Earning with Husband	27. Governmentt as Major Source of Finance
12.Gender Parity in Banking	28. SHG s Major Source of Finance
13. Gender Parity in Handloom	29.SHGs in States

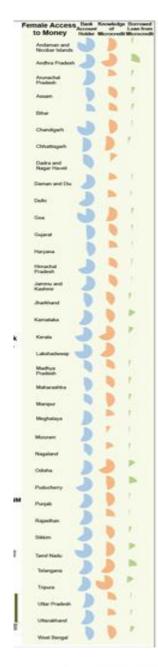
30.Coverage of WSHG Scheme

31.Proprietary Establishments32.Perennial Establishments

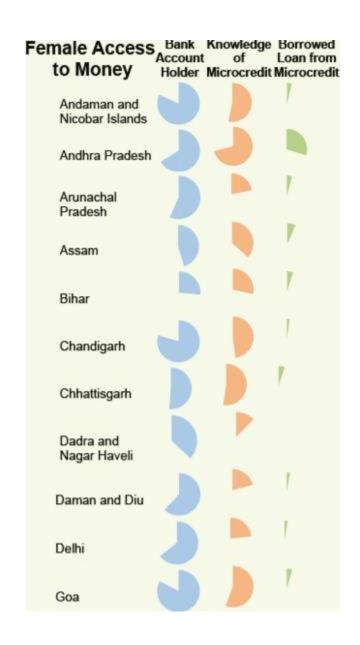
14. Employment in Non-Agriculture

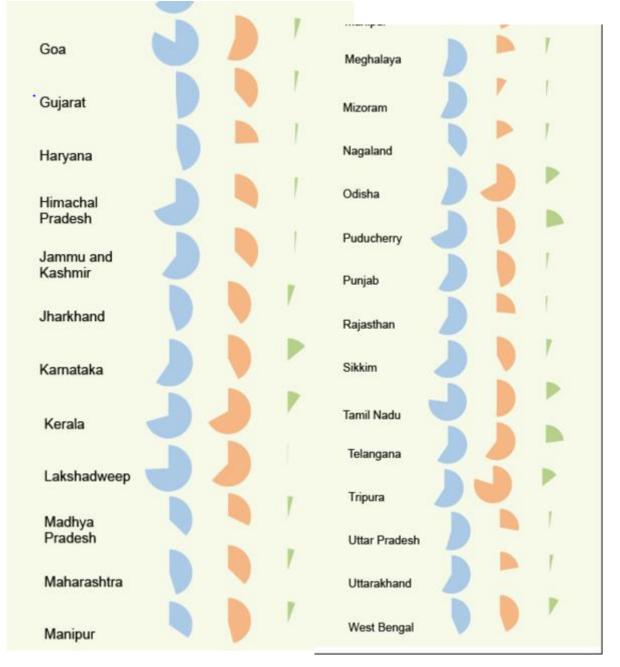
15. NSAP Scheme Coverage

16. PMKVY Coverage



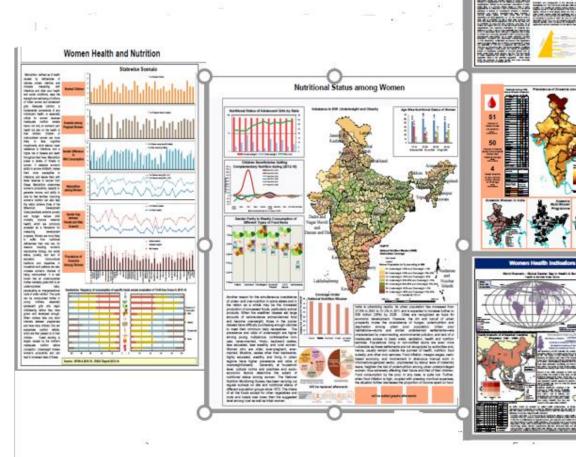
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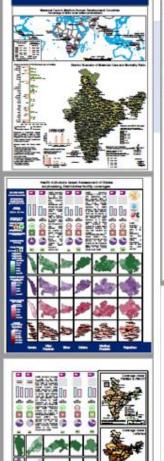


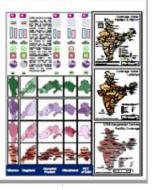


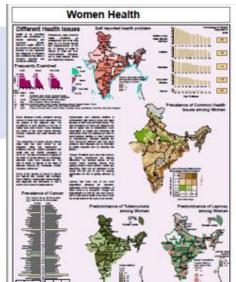
3. WAY FORWARD...2022-2030

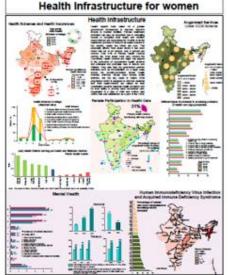
WAY FORWARD HEALTH EMPOWERMENT













Supper of the training Programme

https://drive.google.com/file/d/1AqsUSgE_ZKSENcl8yHSzV DiSxCmTrCLx/view?usp=sharing

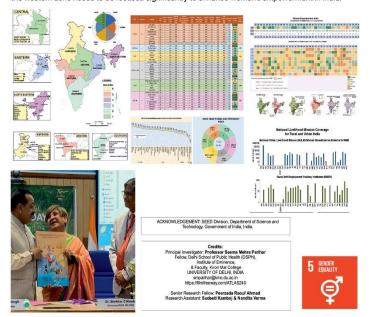




WOMEN EMPOWERMENT ATLAS OF INDIA: SCIENCE & TECHNOLOGY PERSPECTIVE- 2022

- 1. First everintegrated Women Empowerment Atlas in the world.
- 2. First ever Women Empowerment Atlas with Science and Technology perspective. (Women Empowerment Atlas of India: Science & Technology perspective, is conceptualised by SEED Division, Department of Science and Technology, India, and prepared by Kirori Mal College, University of Delhi and NATMO, Kolkata -Parihar, S.M. & Bannerjee, T. 2022).
- 3. Geo visualization of 300 + genderdisaggregated data first time in the world.
- 4. The gender parity index captures the actual diversity of India.
- 5. Geo analytical study of the integrated women empowerment science and technology index is based on nine sub-

With geospatial analysis of 300 + gender-disaggregated data spread across nine themes, we see that Tamil Nadu is the highest-ranking state, whereas Dadra & Nagar Haveli stands last. Hence considering all the nine themes, we can interpret that the conditions of states in the lower categories need to improve women's support systems and related facilities. Zone-wise, the northern region followed by the western zone needs to be focused significantly to enhance women's empowerment in India.



DO SPEND TIME WITH THESE TWO POSTERS: POSTERS ARE DISPLAYED IN THE EXHIBITION IN INDIA PAVILLION UNWGC-2022





WOMEN HEALTH EMPOWERMENT **INDEX OF INDIA-2021**

BASED ON WOMEN EMPOWERMENT ATLAS OF INDIA: SCIENCE & TECHNOLOGY PERSPECTIVE- 2022



1. Women's Health Empowerment is one of the 9 sub-themes of the Women Empowerment Atlas of India: Science and Technology Perspective which is the first of its kind in the

- 2. The Women Health Empowerment Index of India is visualised here as state-wise and zone-wise categories. It is a consolidated index of State wise Female Health Analysis based on the following five sub-indices:
- 1. Health Indicator Index
- 2. Health Yojana Index
- 3. Health Infrastructure Index
- 4. Health Issues Index
- 5. Health Nutrition Index



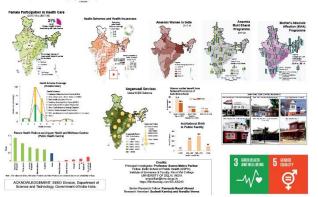


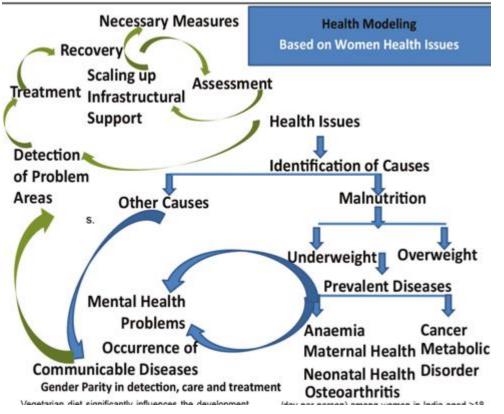


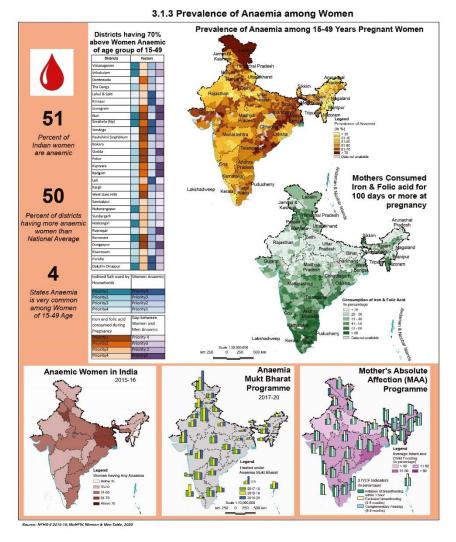
Perspective, is conceptualised by SEED Division, Department of Science and Technology, India, and prepared by Kirori Mal College, University of Delhi and NATMO, Kolkata - Parihar, S. M. & Bannerjee, T. 2022). 3. From the the maticgender - disaggregated data and the

(Women Empowerment Atlas of India: Science & Technology

- geospatial analysis of the women's HealthEmpowerment Index, we see that Tamil Nadu is the highest-ranking state. In contrast, Northeast states Manipur and Nagaland are performing very poorly.
- 4. Zone-wise, the northeast region needs to be focused significantly to enhance women's health empowerment in
- 5. Hence considering all the five factors of health, we can interpret that the conditions of states in the lower categories need to improve women's health facilities.

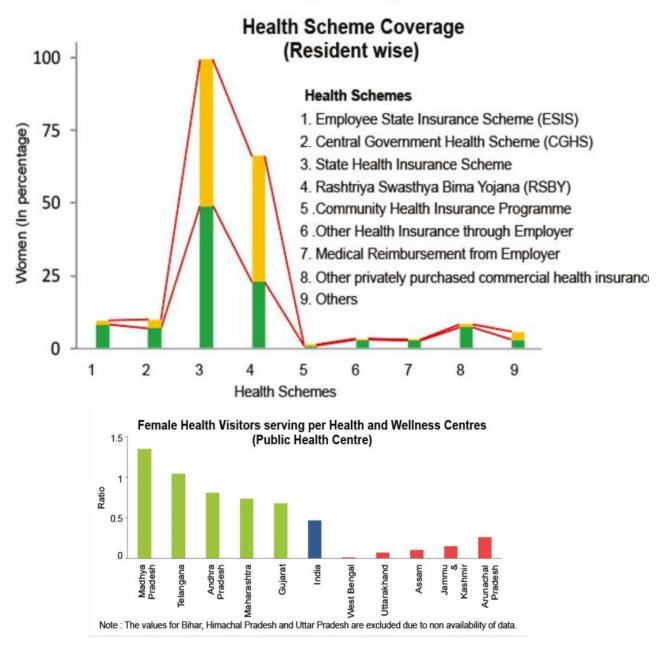




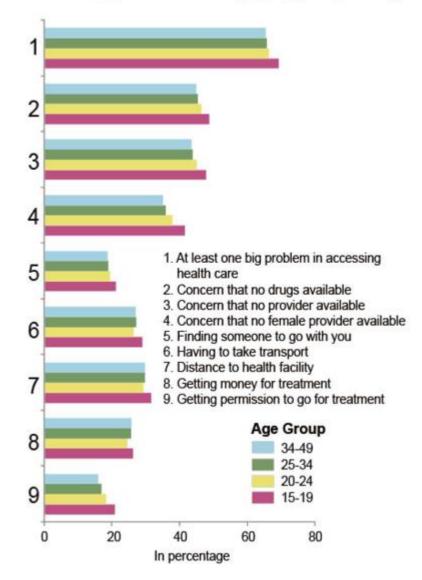


Should not we all do something about it?

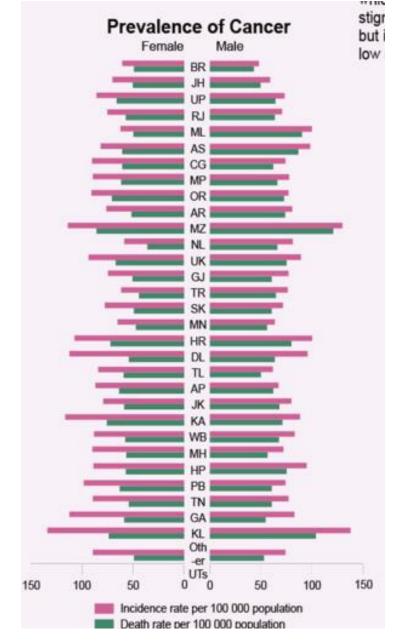




Different types of problems in accessing health care (Age groupwise)



The prevalence of cancer among women state wise has been shown by diagrams using two parameters incidence rate per 100000 population and death rate per 100000 population in 2015-16. The rate of incidence is highest in the state of Kerala followed by Karnataka, Mizoram, Delhi, Goa, Haryana etc. The rate of death is highest in the state of Mizoram followed by Karnataka, Kerala, Haryana, Odisha etc.



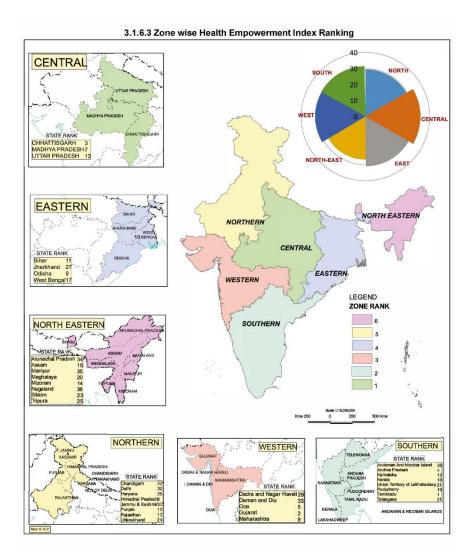
Source: MoHFW, NFHS, WCD, NTEP, MoHFW Disease Study 1990-2016

3.1.6.2 Zone and State wise Scoring Based on Health Empowerment

Zone	Zone Rank	State/UT	State Rank	Intra-Zone State Rank	Heath Indicator	Heath Yojona	Health Infrastructure	Health Issues	Health Nutrition	State- wise Index	State-wise Grade	State-wise Index (0-1 Scale)	Zone-wi Index (0-1 Sca
		Chandigarh	22	4	53.36	32.50	5.64	15.72	38.59	29.16	Medium	0.53	
		The NCT of Delhi	32	8	49.62	35.00	4.34	12.20	24.90	25.21	Low	0.33	0.545
		Haryana	26	6	51.38	44.50	3.70	12.14	29.96	28.34	Medium	0.48	
NORTH	5	Himachal Pradesh	6	1	65.89	37.72	8.43	10.99	46.18	33.84	High	0.76	
		Jammu & Kashmir	30	7	58.93	35.08	2.65	12.65	24.90	26.84	Medium	0.41	
		Punjab	16	3	58.56	36.95	5.97	14.88	38.56	30.98	High	0.62	
		Rajasthan	10	2	60.58	63.84	5.23	7.88	28.05	33.12	High	0.73	
		Uttarakhand	24	5	59.34	36.44	5.96	9.93	32.68	28.87	Medium	0.51	
		Chhattisgarh	3	1	62.26	49.31	18.35	9.69	45.81	37.08	Very High	0.93	0.782
CENTRAL	1	Madhya Pradesh	7	2	59.29	52.08	5.22	10.24	39.26	33.22	High	0.73	
	(5.0)	Uttar Pradesh	13	3	55.24	70.68	2.10	8.48	25.32	32.36	High	0.69	
		Bihar	11	2	53.24	71.84	3.62	8.15	26.21	32.61	High	0.70	0.618
		Jharkhand	27	4	51.21	36.48	4.04	7.87	39.28	27.78	Medium	0.46	
EAST	4	Odisha	9	1	58.52	36.39	12.97	10.62	47.09	33.12	High	0.73	
		West Bengal	17	3	54.57	38.08	9.15	7.77	42.53	30.42	Medium	0.59	
		Arunachal Pradesh	34	6	44.28	29.63	17.63	8.86	16.97	23.47	Low	0.24	
		Assam	15	2	62.36	49.91	3.86	7.42	34.42	31.59	High	0.65	
		Manipur	35	7	41.85	28.77	3.19	10.08	22.34	21.25		0.13	0.406
		Meghalaya	20	3	52.15	33.87	9.75	16.28	36.40	29.69	Medium	0.55	
NORTH-EAST	6	Mizoram	14	1	58.56	34.50	12.74	16.04	38.10	31.99	High	0.67	
		Nagaland	36	8	39.35	31.43	2.74	8.16	12.20	18.77	Very Low	0	
		Sikkim	23	4	58.33	32.21	9.04	11.70	34.41	29.14	Medium	0.52	
		Tripura	25	5	53.14	32.01	16.39	8.51	32.29	28.47	Medium	0.49	
		UT of Dadra & Nagar Haveli	29	4	50.94	30.85	8.47	10.01	34.49	26.95	Medium	0.43	0.632
		UT of Daman & Diu	33	5	49.76	26.31	4.55	12.32	25.81	23.75	Low	0.25	
WEST	3	Goa	5	2	72.46	33.24	4.60	17.79	43.64	34.35	-	0.23	
WEST	3	Gujarat	2	1	59.68	77.43	6.33	10.27	36.98	38.14	High Very Wish	0.79	
		Maharashtra	8	3		100000				The second second		10000000	
		Andaman & Nicobar Islands	28	7	51.95	61.30	4.36	15.81	32.21	33.13	High	0.73	
		Andhra Pradesh	4	2	51.45	32.35	2.77	11.69	38.74	27.40	Medium	0.44	0.642
					53.74	46.61	19.53	11.89	50.55	36.46	Maria College Dellar	0.90	
		Karnataka Kerala	12	3	52.30	55.15	7.71	9.53	38.12	32.56	High	0.70	
SOUTH	2		18	4	55.55	35.85	12.60	17.94	30.03	30.39	Medium	0.59	
		UT of Lakshadweep	21	6	56.29	29.53	2.00	13.83	45.67	29.46	Medium	0.54	
		Puducherry	19	5	55.20	31.40	8.57	11.50	44.47	30.23	Medium	0.58	
		Tamil Nadu	1	1	55.91	65.42	16.38	10.60	44.34	38.53		1	
		Telangana	31	8	52.31	9.06	16.98	12.51	42.23	26.62	Low	0.40	

Zonewise Women Health Empowerment Index NORTH-EAST 0.406 CENTRAL 0.782 6 1 NORTH 0.545 5 Health 2 SOUTH 4 0.642 EAST 3 0.618 WEST

0.632



Milito always passes lurid remarks and makes offensive gestures at Januo every time she passes by, which she usually ignored. But, one day... Januo had heard of the Women Helpline, and was well aware of her rights. So she immediately dialed 181.





The Women Helpline assisted Januo to file an FIR, and the accused was arrested. But that was not the end. Januo had suffered humiliation and was feeling depressed. So WHL referred her to Sakhi- One Stop Centre for counseling.





Disclaimer:

The characters and events portrayed in this comic strip are all fictitious. Any resemblance to actual events or persons, living or dead, is entirely coincidental.

S. No.	Type of Institution	Total Number of Institutions covered
1.	One Stop Centres	699
2.	Family Counselling Centres	661
3.	Special Cells	522
	TOTAL	1,882

ARE WE PROVIDING ENOUGH SAFE spaces

3.1.6 Women Health Empowerment Index

3.1.6.1 Index Based Scoring of Women Health Empowerment

The Health Women Empowerment Index of India is a consolidated index of State wise Female Health Analysis based on the following five sub-categories:

- Health Indicator (I_{G1})
- Health Yojona (I_{G2})
- Health Infrastructure (I_{G3})
- Health Issues (I_{G4})
- Health Nutrition (I_{G5})

These individual indices are assessed based on several parameters shown in the table below

Methodology in brief:

The aggregated health index is the simple average of the five indices, considering their contributions are equal in weightage. Here, all of the five sub-indices are calculated in 0-100 Scale where they consider the measure of their respective parameters. We have standardized each of the health index to a 0-1 scale to maintain a uniformity across all indices. The actual State wise Index ranges between 18.77 to 38.35.

Formula Used:

Interpretation:

e Index Table, we see that Tamil Nadu is the highest-ranking state, whereas North-east lanipur and Nagaland are performing very poorly. Hence considering all the five factors n, we can interpret that the states in the lower categories needs focus to improve health facilities. Zone wise, the north-east region needs to be focused significantly in improve women empowerment of India as a whole.



PARIHAR-SEEMA M.-UNWGC2022-WOMEN EMPOWERMENT GENDER DISAGGREGATED DATA Chhattigarh

Goa

Himachal Pradesh

Goa

Himachal Pradesh

Madhya Pradesh

Madhya Pradesh

Madhya Pradesh

Madhya Pradesh

Matoram

Odisha

Ramataka

Otto

West Bengal

Otto

West Bengal

Otto

West Bengal

Otto

Chandigarh

Otto Lakshadweep

Chandigarh

Otto Chandigarh

Otto Dadra & Nagar...

Otto Obaman & Diu

Telangana

The NCT of Delhi

Otto

The NCT of Delhi

Otto

Arunachal Pradesh

Otto

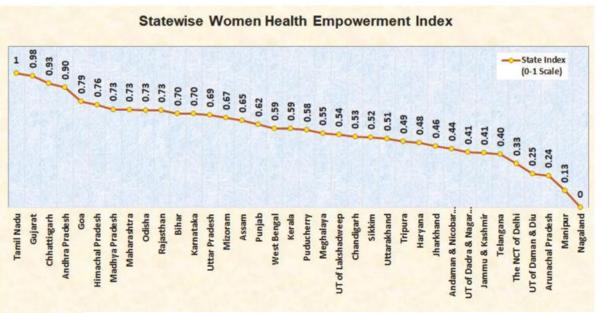
Manipur

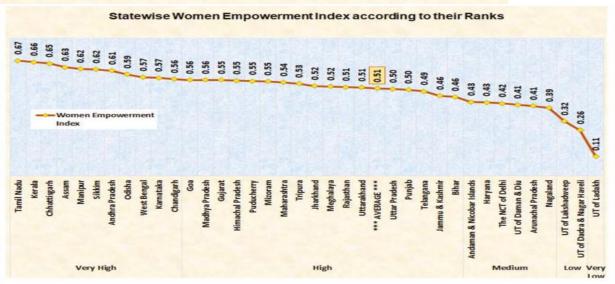
Otto

Nagaland

Otto

11-10-2022

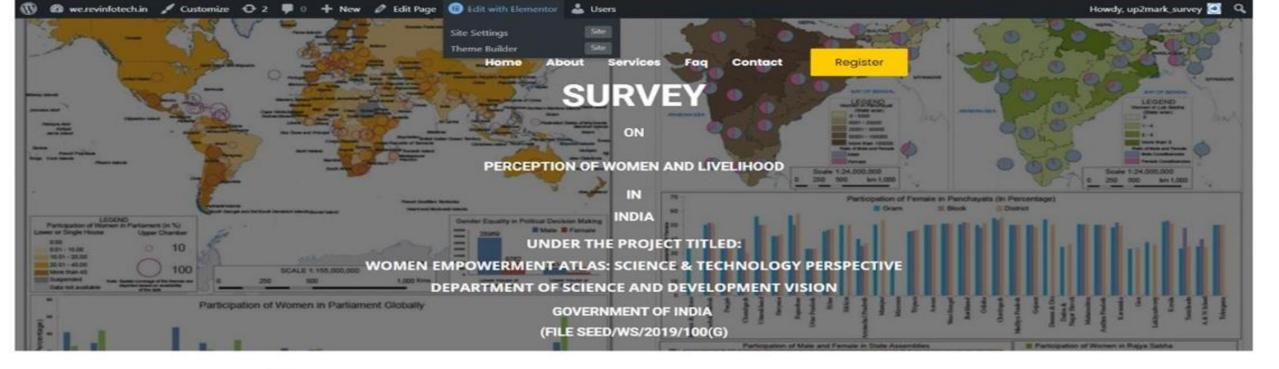




WOMEN EMPOWERMENT ATLAS OF INDIA: Science & Technology Perspective A Geospatial Study on the following nine sub-themes: Women Mainstreaming Science and Technology Support Demographic Empowerment Women Health Empowerment Women Education Empowerment 5 Women Safety and Support 6 Women Livelihood Empowerment Women Leadership and Gender Mainstreaming Women Agency and **Decision Making** Government Initiatives & Women **Empowerment**

Biggest Challenge:

- ✓ DATA COLLECTION/
- ✓ DATA VALIDATION/
- ✓ DATA ACCEPTENCE/
- ✓ INTEROPERABILITY CONCERNS IN MAPPING SOCIAL SPACES
- **✓ DATA PERMISSION-OPEN SOURCE**



Dear Respondent,

Namaskar/Greetings!

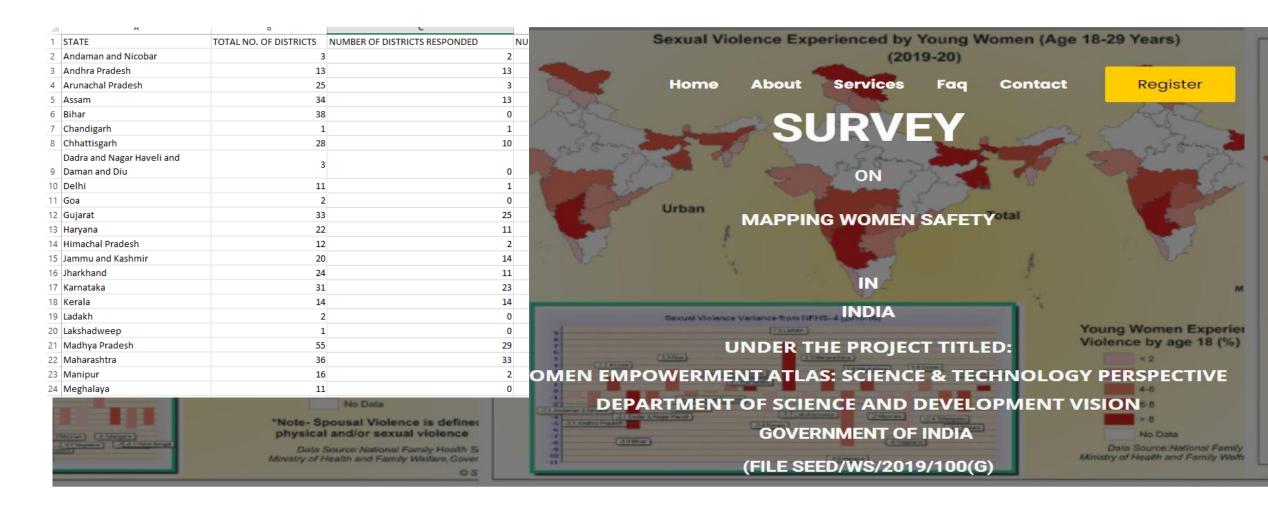
Gender equality, equity, and parity are important concerns in general, and especially during of the COVID-19 pandemic is of paramount importance to the society at large and particularly the issue of women empowerment.

The Department of Geography, Kirori Mal College, University of Delhi and National Atlas Thematic Mapping Organisation (NATMO) are pleased to extend an invitation for you to participate as a Key Informant for the Survey on "Perception of Women and Livelihood in India, Under the project titled Women empowerment atlas: science & technology perspective of science and development vision Government of India. (FILE SEED/WS/2019/100(G).

We would kindly request you to participate in this Survey so as to enable a meaningful outcome to the Project. We request 10-15 minutes of your time. Through the survey, we will draw & collate your experience and views which will be utilized to fulfill the objective of the survey. Thus, your participation is important for the success of this initiative.

Your participation as a Key Informant is valuable. Responses given by you will be kept confidential and used only for the aforementioned purpose. Your identity will not be disclosed in any of the project results. Participation as a key informant does not involve any compensation.

TRAINED TELE-SURVEYORS HELPED IN THIS



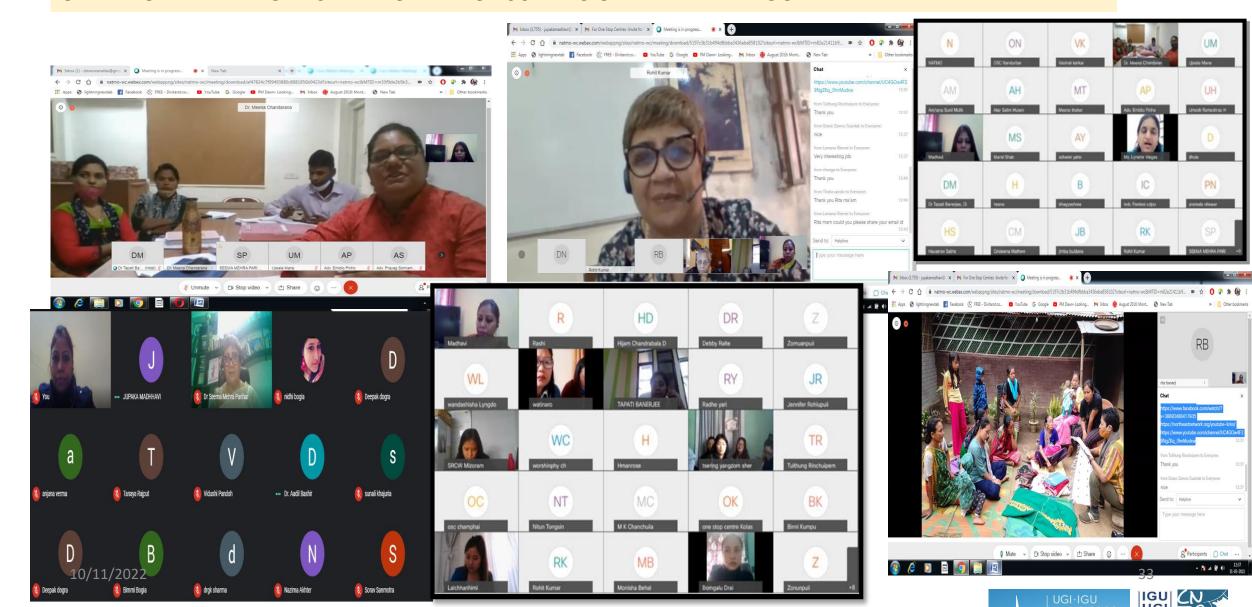
Dear Respondent,

Namaskar/Greetings!

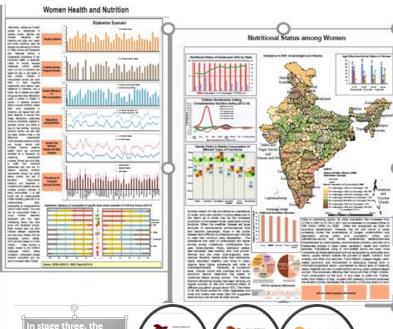
Gender equality, equity, and parity are important concerns in general, and especially during of the COVID-19 pandemic is of to the society at large and particularly the issue of women empowerment.

MAPPING THE INTERACTIVE SESSIONS:

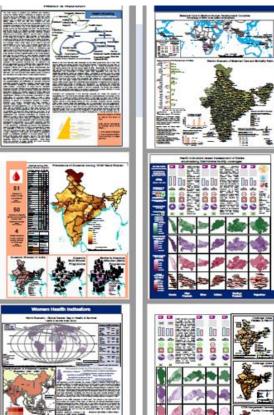
ON EMPOWERMENT OF RURAL WOMEN FOR SCALING OF THEIR LIVELIHOOD

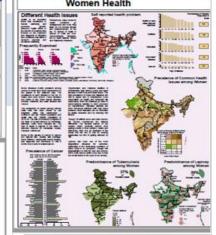


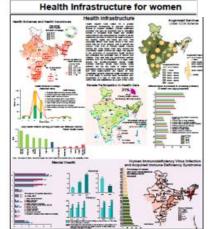
WAY FORWARD HEALTH EMPOWERMENT



generated fuzzy ulnerability maps for all the selected variables were integrated with the intersection based 'AND' operator. Using the fuzzy overlay tools, the final 'women health vulnerability map' showing the least to most vulnerable regions in India is generated.

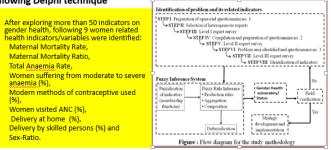






Delphi method: 50 indicators on Gender Health to 9 indicators

The present study is conducted in four stages. In stage one, to achieve an unbiased result, opinions of the experts' from different disciplines (Medical, Psychology, Sociology, Economics, Population Studies and Geography), who are working with Gender health issues for more than a decace have been collected following Delphi technique



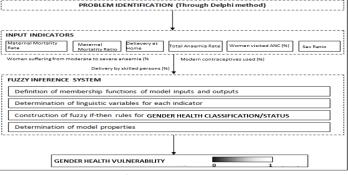


Figure: GIS mapping Framework

Maternal Mortality Rate,

Maternal Mortality Ratio.

Delivery at home (%),

	Y market	Non-Acquiring		e 1		100
*		-	SAMW			
-2 √ = (₩ = (A CONTRACTOR	
		Table 1				
	\	==		The same of the sa		
\sim	$\succ \prec$	\searrow				
	1					

	Sex Ratio Index	Woman Household Dev Index	Woman Education Index	Woman Family Planning Index	Woman HDM Index	Woman Financial Support Index	Woman Anaemic Index	Nutritional Index	Wt. Woman Empowerment Index
Sex Ratio Index	1								
Woman Household Dev Index	-0.16	1							
Woman Education Index	-0.06	0.74	1						
Woman Family Planning Index	-0.24	0.39	0.29	1					
Woman HDM Index	-0.07	0.68	0.66	0.61	1				
Woman Financial Support Index	0.21	-0.54	-0.51	-0.16	-0.38	1			
Woman Anaemic Index	-0.01	-0.20	-0.29	0.15	-0.03	0.09	1		
Nutritional Index	-0.09	-0.10	-0.07	-0.25	-0.33	0.19	-0.29	1	
Wt. Woman Empowerment Index	0.14	0.55	0.57	0.47	0.62	0.16	-0.41	0.24	1
		Corre	-0.20 -0.29 0.15 -0.03 0.09 -0.10 -0.07 -0.25 -0.33 0.19				34		

Share







Women Empowerment Atlas of India: Science & Technology Perspective (Parihar, S.M. & Bannerjee, Edit T., 2022) is the First-ever women empowerment atlas in the world and the first-ever women empowerment atlas with a science and technology perspective. This geo-analytical study of the integrated women empowerment science and technology index is based on nine sub-indices. It includes geo-visualization of 300 + gender-disaggregated data. The gender parity index captures the actual diversity of India.

Application by Seema_Mehra_Parihar

Created: Oct 9, 2022 Updated: Oct 9, 2022 View Count: 0

Description



The Vastness and diversity of India and its significant population make this country unique and promising. Women empowerment is the most effective tool for development. Sustainable Development Goal 5 is all about Women's Empowerment and Gender Parity.

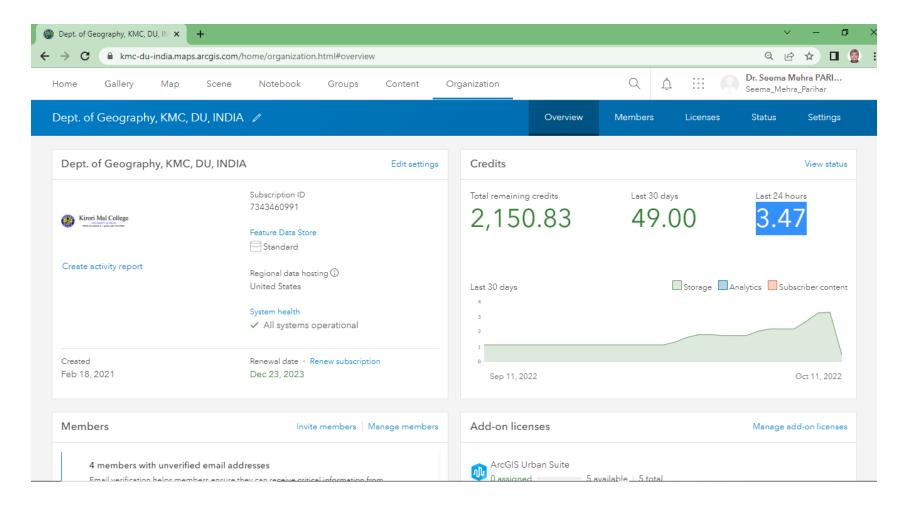
- · First ever women empowerment atlas in the world.
- First ever women empowerment atlas with science and technology perspective. (Women Empowerment Atlas of India: Science &
 Technology Perspective, is conceptualised by SEED Division, Department of Science and Technology, India, and prepared by Kirori Mal College, University of
 Delhi and NATMO, Kolkata Parihar, S.M. & Bannerjee, T. 2022).
- . Geo visualization of 300 + gender-disaggregated data first time in the world.
- The gender parity index captures the actual diversity of India.
- . Geo analytical study of the integrated women empowerment science and technology index is based on nine sub-indices:
- 1. Women Mainstreaming Science & Technology Support Empowerment Index
- 2. Demographic Women Empowerment Index
- 3. Women Health Empowerment Index
- 4. Women Education Parity & Support Empowerment Index
- 5. Women Safety & Support Empowerment Index

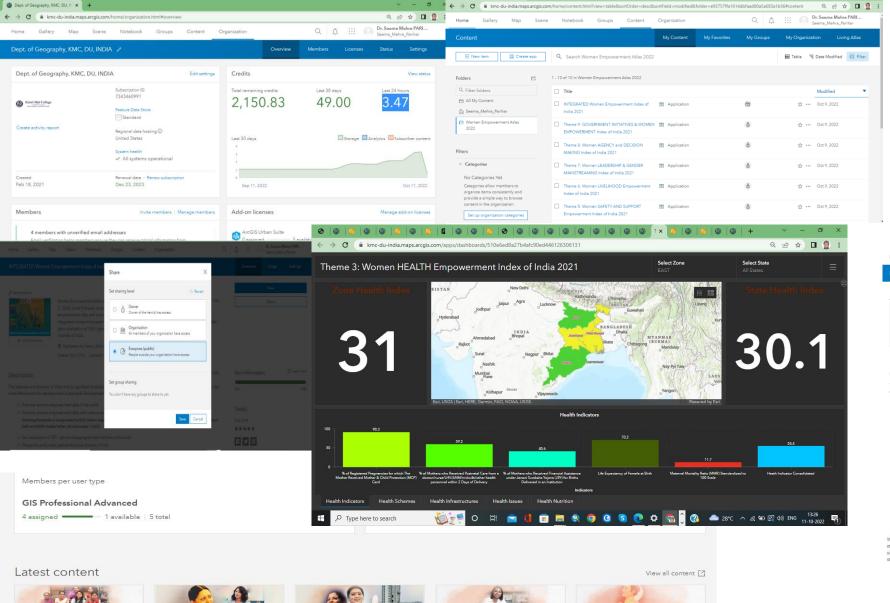
WAY
FORWARD:
DATA SHARING
IN ALL
FORMATS
ARE WE
WILLING ???;

Owner



FINANCIAL CONSTRAINTS







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Theme 9: GOVERNMENT INITIATI...

Theme 8: Women AGENCY and D...

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Updated: Oct 9, 2022
Updated: Oct 9, 2022

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Theme 7: Women LEADERSHIP & ..

Application
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TARISTAR-SEEMAM.-UNA GC2022-WOMEN EMPOWERMENTCreated: Oct 9, 2022

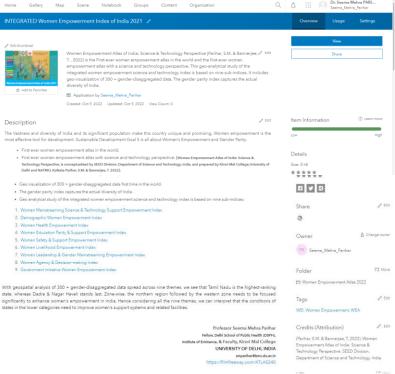
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Theme 3: Women HEALTH Empowerment Index of India 2021

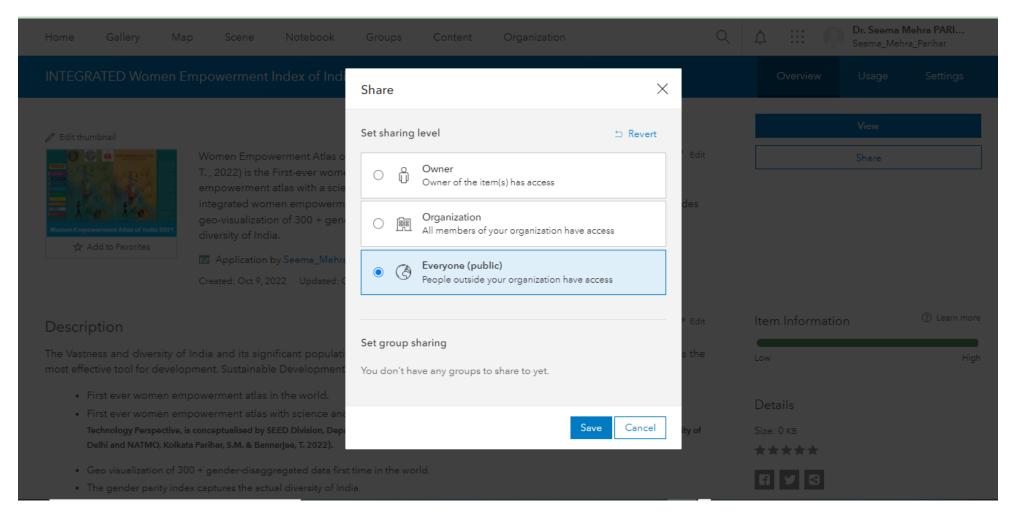
Theme 3: Women HEALTH Empowerment Index of India 2021

Theme 3: Women HEALTH Empowerment Index of India 2021

The standard Stand



WHEN TO MAKE IT PUBLIC??????



IN THEE END:

- □ The Geospatial Technologies have already evolved and have been extensively used in different branches of Geography.
- ☐ The strength of GI ecosystem is based on data, their accuracy and validation and geo-analytics.
- ☐ Present paper addresses this concern that emanates from the experience of bridging the missing gaps related to the gender disaggregated data in the making of an ongoing research project, "Women Empowerment Atlas :Science &Technology Perspective".
- □ The biggest challenge in the project was in bridging the gender data gaps on the required sub-themes, considering the diversity of our country India. The folk saying "kos kos par badle paani, char kos pe baani" made the data collection geographically challenging on the one hand and pandemic expanded

11-1the scope for renegotiations and change across gender.

- □Further, at vulnerable and marginalized places where for women the COVID 19 had been the "pandemic within pandemic," to collect data became challenging.
- □This paper further highlight different methodologies and challenges that occurred in data validation during pandemic.
- ☐ Till now, we had readily available data sets of 188 gender-disaggregated data from two previous gender atlases and additional data sets of 106 variables present in published and unpublished reports of different themes.

□ But, this was not enough to delineate, visualize, and envision priority areas for improving women's HEALTH status OR WOMEN EMPOWERMENT SCORE >>>empowering them and visualise in the for of Gender Atlas, newer score cards—and women empowerment indehave been evolved and used to spatially address gender concerns.	orm
☐ Besides, in the age of artificial intelligence the challenge was to make of the new age technologies and opportunities and create new dimer in the field of analytics and intelligence. Usefulness of "Social Media Analytics (SMA) and Sentimental Analysis have been further highligh	nsions
☐ All this have also pointed to a fact that there is an urgent need to upour geography curriculum if we wish to be current and useful in today world where most decisions are location based.	

Three Key Questions:

The paper raises three questions:

- 1) Do we need many complex geospatial tools and technologies while constructing gender-based maps or simply mapping social spaces?
- 2) Have we considered concerns and challenges related to interoperability in social areas as we do it in physical spaces?
- 3) Do we genuinely intend to visualise through meaningful maps the gender gaps and gender disparity through critical Women indicators today? & specifically

Do we genuinely intend to visualise through meaningful maps the gender gaps and gender disparity through critical health indicators today?

Biggest Challenge:

- ✓ DATA COLLECTION/
- ✓ DATA VALIDATION/
- ✓ DATA ACCEPTENCE/
- ✓ INTEROPERABILITY CONCERNS IN MAPPING SOCIAL SPACES
- **✓ DATA PERMISSION-OPEN SOURCE**
 - ✓ REAL INTENTION: DO WE WANT GENDER PARITY GENUINELY????

DATA SHARING WITH YOU ALL...

Documentary Link

https://filmfreeway.com/ATLAS240

SN	Item	URL
V	WEBt@NdmlNEp@lSeft+®s of HdE MES	https://www.arcgis.com/home/item.html?id=597295900c4b407a961c9ca0d6c5c8ef
1	Women Mainstreaming Science & Technology Support Empowerment Index	https://www.arcgis.com/home/item.html?id=c3d17b7fcdeb49e987626f04cf790bde
_ 2	Demographic Women Empowerment Index	https://www.arcgis.com/home/item.html?id=becbc3ffff0f4609bbab4e4242594a2b
3	Women Health Empowerment Index	https://www.arcgis.com/home/item.html?id=e3d34f5d32ae459ca5e754004e1c4dbb
4	Women Education Parity & Support Empowerment Index	https://www.arcgis.com/home/item.html?id=1932333b22244451b82e4a1e6ed6dfdb
5	Women Safety & Support Empowerment Index	https://www.arcgis.com/home/item.html?id=58bc8806c420412e8385cf77a326c4b4
6	Women Livelihood Empowerment Index	https://www.arcgis.com/home/item.html?id=07f01f15f4a3477481b7b65dd4f85d1f
7	Women Leadership & Gender Mainstreaming Empowerment Index	https://www.arcgis.com/home/item.html?id=e325fc81d2a4447fa776a0a6c581f3aa
8	Women Agency & Decision-making Index	https://www.arcgis.com/home/item.html?id=14b9d092e14249e1842250308a98bdc3
و	Government Initiative Women Empowerment Index	https://www.arcgis.com/home/item.html?id=72302af881e14d9391e40e4ff606980d

IN THE END

Wenter stones truly for Nearing but the "Balance" by identical in the ements of Right from its very instance

The numbed-ness in the perspective is the outcome of this fac. So should life here among as Move exactly on the way to enact

Women need not be empowered Not is whe for the disempowered Women is instituted by understood Women is just to be understood. Only then the bestimde shall be showered

The woman-energy of the universe Writt bring back the varieties of ki Howing incovertly inspiriturely Borbling all on box to prefix

When woman gels the procer. To elemelize the world around Byen Shakespeare may forget life Soying full of fury and sound

Be the archetypes of the esorcic world Or the dimensions of the divertional alysis Dichotomy of man-weiman Happens never in smale

The scheel has in he reversal. To find the correct gear. Only then humanity can be as par. And can act without say fear.

The worran needs actually or work been in a man but been within Only then the warfare of the world Will be found changing its gean

From the artique relies of the Time A far-sighted worldview is always so A vector is what is acknowledged Working as the perfect Being

So is there no nonce at all From the Particles in the past Adam had an irroversible Fall Time stope and fid of timura

Women is the way belined. To teach the entire world. Mon's all endeavours till do Keep the they still untirted.

With Man heralds only the war Giving ways to thousand sears Perfectly delicentes from the history And Eumanity, Low ruthlessly Mon to

The world within is now to be explored. With the world-without to be in monizo

The way forward is only the women In line with a perfect cherd.

The woman is the harbinger now The woman is the Master shead Moving on any unnocessary crean

Women Today

Educating with the woman's way is the orly way in much on. The world will only then know. What it is to state the true gyann.

A could masks support of nine month Before the world makes the call A woman is more delicate than it No one seems to understand at all

"Dhamne Rakshati Rekshitali" Is what Krishna's Gitz says. The same is un-dubiously right In life's each and every phase.

o shield the wonge's walls. With utmost love and extra care Otherwise is certain that the Man falls

Women two nuclis to be treated we I To have the world in harmony. The woman herself will then guide Everyone to have the outstanding former

WOMEN EMPOWERMEN'

Than the women in the Man And the Man finding his inner word is what Architemshaper-runnept a la-in order to cove the germine action

Man's efforts are still redesting Wifa nothing but the durk blood A Languard him is recogni-Every time the stories of the mul-

The new man will be the 'wo-man In whom will reside all the tright cause

Wifaout the world of woman now No future can the light spread

Pall of remonso and sturdy resistance Man as atterly (a) all term to being the clernal Pragrance

distribute.
If the flood of women doesn't come

On every single position here Only then the woman can bring What could nover occur on Man:

Policy, politics, gower and pemp All a woman seeks to have Ther will the world on y know How to correct y live and behave

The greatest vigour and situity to stored in secretary self. In disconation and regarification. Only a seeman can be of any hel

In man is absent the woman But woman as mad the man All works are presing with her Which, without women, no one can

The woman produces a citald Which is a fiving enuty of life Butter than this is not possible Hence, all the Man's eternal strife

Woman supports life with utmost care life dues the same also without tense. Man can't tring the "bolance" Which she horself represents

Liss taken by any possible force What there's an anfitneling fower In woman's hands can the world be With the super leading power

A woman is not just the barlony She is the quarity of Berry Deeply affected will be the soil Fortile through the nots of Soeing Even a Man can act the woman And the woman may so the Man It's but the 'woman' in future

Bringing the light, what the world ear Neur is the time for the worrant Understanding which can pave the way Of fulfilling the magnitudes job

Emprecement is no what Vorign is the only way! is what Every mind is to be taught

Sometimes, they were as adjustive When needs don't distinguish it They suffer with the metaling that they

Now the we man in everything Is to be inscaled or princity Only then will be established The Utopia based on humanity.

6: Dr. Praceer, Kumar Anshimun Data, 1002, 2022

10.

Empowerment is not what Is required to be brought 'Woman is the only way!' is what Every mind is to be taught



Never think the words always as nouns Sometimes, they work as adjective When people don't distinguish it They suffer with the meaning that they give

Woman and Man are the attributes With which the world is to be seen With Man, the humanity has suffered With woman, it has never yet been

Now the woman in everything Is to be invented on priority Only then will be established The Utopia based on humanity.

© Dr. Prayeen Kumar Anshuman Date: 10.02.2022

Kos kos par badle paani, chaar kos pe baani..."

Local terrain and climatic conditions char. every kos, the dialect spoken changes after every two kos. Kos is an old Indian measure of distance, roughly, a little over two miles.

Geography matters

THANK YOU VERY MUCH for sparing your valuable time. Let us discuss now...

Professor Seema Mehra Parihar, India smparihar @kmc.du.ac.in