Empowerment of Rural Poor Youth through “Diploma in Watershed Management (DWM)” in Jharkhand State

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Chief Executive officer-cum-Special Secretary,
Jharkhand State Watershed Mission
INAUGURATION OF DWM

Inauguration of 1st Batch of Diploma in Watershed Management (DWM)
Venue: Conference Hall, BAU, Ranchi
Date: 14-10-2011

A Joint Collaboration with
Jharkhand State Watershed Mission (JSWM)
Indira Gandhi National Open University (IGNOU)
electro Agriculture and Rural Development (EARDA)

[Images of the inauguration ceremony, including people sitting at tables, a speaker with a microphone, and a group of attendees]
Context and Relevance

- Jharkhand means -JHADI KHAND.
- 32 types of aboriginal tribals inhabiting in the state.
- Forest dwellers and Fringe area inhabitant’s livelihood depends on non timber forest produce (NTFP).
- An initiative has been made by JSWM to mobilise the unemployed youths for active participation in collaboration with BAU and IGNOU.
- Mandatory requirement of IWMP, every project will have four skilled professionals in the field of engineering, livelihood, social, veterinary/fishery as WDT.
- In view of high attrition rate of WDT member, JSWM have taken initiative to place DWM pass out candidates into IWMP as WDT member.
Objectives

- To develop a cadre of skilled and dedicated human resource.
- To introduce the principles of the watershed management approach.
- To uphold human dignity and respect to rural youths with value of working for watershed.
- To generate awareness on sustainable development and maintenance of natural resources.
- To utilize abundant unutilized human resources for nation building.
- To mobilize and capacity building of rural youth, women and landless.
- To develop skills for development of small scale irrigation and water supply structures for human and livestock through water and soil conservation strategies.
Methodology

- Rural youths have been identified by Project Implementing Agencies (PIAs) based on the felt need of the people.
- Applications were scrutinized by JSWM.
- Shortlists the candidates and final list is being submitted to IGNOU.
- Students have been instructed to attend practical and theory session only on Sundays because of vocational course.
- According to IGNOU norms, students should attend the session at least 75 percent of 52 Sundays (one year) for eligible to appear final examination.
- JSWM helps students to make their Dissertation/ Assignment to be submitted to BAU to fulfil the course work in the IWMP project area.
Methodology (Contd)

Hands on different skill based practical orientation organised by BAU as follows:-

1. Watershed management

2. Production Enhancement

3. Livelihood

4. DPR writing, Estimation of different works

5. Accounting, Monitoring, Evaluation etc.

6. In addition to this, students have been sent to State Institute of Rural Development (SIRD), Sri Krishna Institute of Public Administration (SKIPA), Krishi Grama Vikas Kendra (KGVK), and Ram Krishna Mission (RKM) etc.
COURSE STRUCTURE

- The minimum qualification will be 10+2 pass.
- Maximum no of candidates in each session will be 50.
- 52 weeks (Sundays) and exposures visit as and when required.
- Student has to complete the following seven courses with practical and one practical course on project formulation equivalent to 32 credits (1 credit is equal to 30 study hours).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits (theory + practical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNRI-101</td>
<td>Fundamental of Watershed Management</td>
<td>4 (2+2)</td>
</tr>
<tr>
<td>BNRI-102</td>
<td>Elements of Hydrology</td>
<td>4 (2+2)</td>
</tr>
<tr>
<td>BNRI-103</td>
<td>Soil and Water Conservation</td>
<td>4 (2+2)</td>
</tr>
<tr>
<td>BNRI-104</td>
<td>Rainfed Farming</td>
<td>4 (2+2)</td>
</tr>
<tr>
<td>BNRI-105</td>
<td>Livestock and Pasture Management</td>
<td>4 (2+2)</td>
</tr>
<tr>
<td>BNRI-106</td>
<td>Horticulture and Agro-Forestry System</td>
<td>4 (2+2)</td>
</tr>
<tr>
<td>BNRI-107</td>
<td>Funding, Monitoring, Evaluation and Capacity Building</td>
<td>4 (2+2)</td>
</tr>
<tr>
<td>BNRI-108</td>
<td>Project Formulation</td>
<td>4 (0+2)</td>
</tr>
</tbody>
</table>
The role and responsibilities of three agencies involved (JSWM, IGNOU and BAU)

**JSWM Role**

- JSWM scrutinizes and finalizes all 50 candidates as per the IGNOU norms.

- 40 candidates are being selected from Project area and rest from Urban area. Preference will be given to employees working in Watershed related projects of JSWM/Government/Public Sector.

- JSWM provides all the necessary facilities for registration of all selected candidates in IGNOU office, Ranchi.

- The course fee for 40 candidates Project areas will be met through Capacity Building and Training budget.

- JSWM will arrange exposure visit to students to the best managed sites.

- Preference and priority will be given to students for contractual employment as WDT for passed out candidates.

- It works as catalytic agent between students and BAU & IGNOU for guiding, assisting needy students.
Indira Gandhi National Open University (IGNOU), Ranchi

- To provide registration form/brochure/instructions/syllabus/reading materials/assignments/Soft copy/others as and when required to selected candidates.

- To provide student identity card/term end examination sheet to candidates.

- To arrange theory classes, practical classes and exposure visits.

- To provide assignment/evaluation report to candidates.

- To provide grade card, provisional certificate and original certificates to candidates after successful completion of course.

- Co-ordination between JSWM and BAU and other related activities for better improvement of Diploma course.
Birsa Agricultural University (BAU), Ranchi

• Birsa Agriculture University (BAU) is the study centre.

• To provide quality theory and practical classes in the weekends for 52 working days. (One year).

• It is equipped with very good soil laboratory and other infrastructures having space of about 800 square foot exclusively for the use of diploma students without charging any rent.

• It has also provided facilities like Computer, Projector, and VCR etc for students.

• It has provided infrastructure for conducting live watershed models for practical classes.

• They also provided fooding and lodging to candidates as and when required.
## RESOURCE REQUIREMENT AND COURSE FEE

<table>
<thead>
<tr>
<th>S. No</th>
<th>Categories</th>
<th>Candidates</th>
<th>IGNOU</th>
<th>JSWM</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>General</td>
<td>11,000</td>
<td>-</td>
<td>-</td>
<td>11,000</td>
</tr>
<tr>
<td>2.</td>
<td>Sc/ST</td>
<td>1,100 (10%)</td>
<td>5,500</td>
<td>4,400 (40%)</td>
<td>11,000</td>
</tr>
<tr>
<td>3.</td>
<td>BPL/OBC/Rural Candidates</td>
<td>2,750 (25%)</td>
<td>5,500</td>
<td>2,750 (25%)</td>
<td>11,000</td>
</tr>
<tr>
<td>4.</td>
<td>IWMP/ Govt. Candidates</td>
<td>11,000</td>
<td>-</td>
<td>-</td>
<td>11,000</td>
</tr>
</tbody>
</table>

- Transportation for exposure visits/travelling allowance
- Reading Materials/Stationeries, Xerox etc.
- Counseling of students
- Best students are invited as guest speakers to take classes for SHG, UG, WC.
Course commenced from 2011, 6 courses are running with 50 students/session.

Total 301 enrolled candidates, around 20% are female and 80% are male.

78% belongs to SC/ST and OBC, indicates that skill up-gradation is required.

20% belongs to General.
- First batch out of 50, only 20 students cleared the examination.

- Second batch & Third batch, out of 100 candidates, 60 students cleared the examination provisionally.
## Details of Candidates admitted to Diploma in Watershed Management Course

<table>
<thead>
<tr>
<th>Batch</th>
<th>Session</th>
<th>Enrolled Candidates (Male/Female)</th>
<th>Social Category of Enrolled Candidates</th>
<th>Pass out Candidates (Gender)</th>
<th>Pass out Candidates</th>
<th>Working under JSWM as a WDT</th>
<th>Others</th>
<th>Total Working</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>July, 2011</td>
<td>37 M 13 F 50 4 SC 7 ST 35 OBC 4 GEN 50 Total 14 M 6 F 20 SC 2 ST 16 OBC 0 GEN 15 Total 1</td>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td>20</td>
<td>01 (SFD, Ranchi), 15 (Skill Pro)</td>
</tr>
<tr>
<td>II</td>
<td>Jan., 2012</td>
<td>43 M 7 F 50 4 SC 14 ST 15 OBC 17 GEN 50 Total 0 M 0 F 0 SC 5 ST 12 OBC 6 GEN 15 Total 28</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>July, 2012</td>
<td>40 M 10 F 50 9 SC 7 ST 23 OBC 11 GEN 50 Total 0 M 0 F 0 SC 4 ST 13 OBC 11 GEN 32 Total 32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Employed at NGO and other sector</td>
</tr>
<tr>
<td>IV</td>
<td>Jan., 2013</td>
<td>43 M 8 F 51 5 SC 12 ST 25 OBC 9 GEN 51 Total 0 M 0 F 0 SC 4 ST 13 OBC 11 GEN 32 Total 32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Exam held in June, 2014</td>
</tr>
<tr>
<td>V</td>
<td>July, 2013</td>
<td>40 M 10 F 50 8 SC 4 ST 24 OBC 14 GEN 50 Total 0 M 0 F 0 SC 4 ST 13 OBC 11 GEN 32 Total 32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Exam to be held in Dec, 2014</td>
</tr>
<tr>
<td>VI</td>
<td>Jan., 2014</td>
<td>39 M 11 F 50 7 SC 4 ST 28 OBC 11 GEN 50 Total 0 M 0 F 0 SC 4 ST 13 OBC 11 GEN 32 Total 32</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Exam to be held in June, 2015</td>
</tr>
<tr>
<td>Total:</td>
<td>242 M 59 F 301 37 SC 48 ST 150 OBC 66 GEN 301 Total 14 M 6 F 20 SC 11 ST 11 OBC 41 GEN 17 Total 80</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>15</td>
<td>16</td>
</tr>
</tbody>
</table>

- **SC**: Scheduled Caste
- **ST**: Scheduled Tribe
- **OBC**: Other Backward Class
- **GEN**: General
Time Span

• Duration required for this course is 52 weeks (one year).

• However, they can complete the programme in the span of four years.

• This course has significantly motivated majority of unemployed youth to join the process of learning.

• There is demand to increase more number of seats because of guaranteed employment in different wings of NRM of different department.
Level

• Presently, DWM course is meant for only 10+2 rural unemployed youth so that they can join easily as Watershed Secretary.

• Highly qualified candidates with DWM course may join as WDT in different Project.
Knowledge Transfer

1. Jharkhand is a mineral rich state having low literacy with a lot of drop out rate at 10th and 10+2 level.

2. If the Diploma course is reduced from 12th to 10th pass and

3. if syllabus is also suitably customised at lower level, then, the use of Human resources will be significantly improved.
Sustainability

1. There is a demand by not only 10+2 students but there is great demand by graduate level students of Arts and Commerce.

2. Few are working in Hotel, Dhaba and other unorganised sector for two to three thousand per month only.

3. There is perceived benefits of guaranteed service in the NRM and other sector too.
Exposure Visits

- Organized visit to Tyma, Angara, Bero Wardi, Patratu, Oremanjhi etc.

- The students are given opportunities to interact with watershed committee members
Conclusion

• Diploma Watershed Management course is a vocational course designed by IGNOU and facilitated by JSWM
• This course is a boon for the unemployed youth of Jharkhand because getting Job for 10+2 students with higher salary.
• There is demand to enhance the number of DWM seats across the Jharkhand.

It is suggested that NGO and CSR can be roped in for convergence and up scaling of the DWM course.
SUGGESTIONS

• 10\textsuperscript{th} pass may be made for minimum qualification for admission to DWM.
• Study centers may be opened at Divisional level.
• Preferences shall be given in appointment to DWM pass out students in NRM implementation departments for appointment.
• IGNOU shall be requested to publish the results within one month after the examination conducted.
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name</th>
<th>Category</th>
<th>SEX (M/F)</th>
<th>Passing Year</th>
<th>Batch</th>
<th>%age</th>
<th>Marks Obtained</th>
<th>PRESENT Assignment</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>POOJA KUMARI</td>
<td>OBC</td>
<td>F</td>
<td>2013</td>
<td>1ST</td>
<td>74.38</td>
<td>595 Skill Pro</td>
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</tr>
<tr>
<td>2</td>
<td>PRAKASH CHANDRA MAHTO</td>
<td>OBC</td>
<td>M</td>
<td>2013</td>
<td>1ST</td>
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<td>3</td>
<td>RAUNAK FIRDOUS</td>
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<td>1ST</td>
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<td>4</td>
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<td>5</td>
<td>RAM SINGH MAHLI</td>
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<td>6</td>
<td>RAKHI KUMARI</td>
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<td>66.13</td>
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<td>7</td>
<td>MANJU DEVI</td>
<td>OBC</td>
<td>F</td>
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<td>66.00</td>
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<td>8</td>
<td>DOMAN PRASAD MANDAL</td>
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<td>64.13</td>
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<td>2011</td>
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<td>2013</td>
<td>1ST</td>
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<tr>
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<td>2013</td>
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<td>57.00</td>
<td>499 Skill Pro</td>
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<td>21</td>
<td>PINKEE MAHTO</td>
<td>OBC</td>
<td>F</td>
<td>2013</td>
<td>1ST</td>
<td>63.00</td>
<td>512 Skill Pro</td>
<td>SFD, RANCHI</td>
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