

Awareness-cum Training Workshop on **Chemical Emergency – Planning, Preparedness & Response**

**Organized at Borgaon, Dist. Chhindwara by
Emergency Response Centre, M. P. Pollution Control Board**

A Note on the proceedings of the Workshop

The Emergency Response Centre, Bhopal, in coordination with Sub-regional office, MPPCB, Chhindwara and Regional office, MPPCB, Jabalpur organized the event under an out-reach programme on "Chemical Emergency – Planning, Preparedness & Response" at conference Hall of M/s Raymond Limited, Borgaon industrial area in dist. Chhindwara, Madhya Pradesh on 20th March 2012 to create awareness among the industry personnel, transporters and the first responder groups.

The program started with the welcome address by Shri Vinod Padmanabham, President, M/s. Raymond Limited, Borgaon, Dist. Chhindwara who praised the idea of such awareness activity at industrial area. This was followed by the floral welcome of the dignitaries on dais. After the floral welcome of the guests The program was inaugurated by Dr. N.P. Shukla, Chairman, M.P. Pollution Control Board, who was the Chief Guest on the occasion, by lighting the ceremonial lamp. This was followed by opening Remarks by Dr. Gunwant Joshi, Chief Chemist and Head of Emergency Response Centre, Who explained the need of organizing such a program and highlighted the importance of preparedness in dealing with the chemical emergencies and also gave a brief introduction to the "Out-reach" programme of ERC.

The chief guest of the function, Dr. N. P. Shukla, under whose initiative and directions this programme was organized, said that the transparency, responsibility are the corner-stones of board's work culture as reflected in Board's recent initiatives including "Out-reach" program initiated by ERC. He also informed to the participants about the strengths that ERC has to provide

the technical inputs and guidance to the target groups. He asked the industries to avail full benefits of these initiatives and share freely all their concerns with the Board. He said that the board officials are not just the regulators but they should also be considered as the partners in safeguarding the Environment and achieving the goal of Industrial development with "Responsible Care" concept.

Dr Shukla said that ERC should take-up the issues of chemical safety and preparedness not only with its member industries and the first responders but also with the people living in the vicinity. He further stressed that the ERC team should be vigilant and must go to all its member industries in their respective location settings, have a feel of the area and try to address the issues relevant to maintaining high levels of preparedness to meet chemical emergencies so that better service may be rendered by ERC. He also stressed on the importance of the safety and high level of preparedness to avoid the chemical accidents culminating into disasters.

The Vote of Thanks was extended by Shri P. S. Bundela, Regional Officer, M.P. Pollution Control Board, Jabalpur. In his address he appealed the audience to carry the message of safe practices in the chemical process and requested the industries to adopt the safe practices in their own industrial installations by implementing the lessons learnt at the workshop.

A total of 83 participants from various industries, the first responders and the regulators, including DIHS, attended the programme and were benefited from the workshop. Among the resource persons, Shri TEC Vidyasagar, former Dy. Chief Inspector of Factories, Govt. of Andhra Pradesh was also the guest speaker.

The technical programme was divided in to two sessions, the first comprising of two lectures and a table-top exercise for conducting mock-drill. The second

technical session had a live fire mock-drill exercise near chemical storage area at nearby industry, M/s Bhansali Engineering Polymers Limited at Satnoor to give a practical exposure to the participants regarding on-site emergency management, followed by evaluation of mock-drill exercise to highlight the weaknesses and the strengths observed during the mock exercise.

The 1st technical session was opened with the deliberation by Dr. Gunwant Joshi, Head, Emergency Response Centre, who presented detailed information about E.R.C., including its aims, objectives, functions etc. The participants were made aware about the strengths that ERC possesses to assist the target groups in times of chemical crisis situation. The participants were also briefed about the operation and functioning of ERC and how the industry people and other relevant groups can take the benefit of ERC's facilities. The out-reach programme initiated by the ERC in the larger interest of chemical safety and environment were discussed during the session.

This was followed by lecture by the expert guest faculty Shri TEC Vidyasagar who deliberated on 'Consequence & Risk analysis in On-site Emergency Management Plan and table-top exercise of Mock-drill for Chemical emergency Response'. He gave a very elaborated and informative address to the participants on chemical emergency. He also covered many important issues related with on-site emergency management, hazard identification, risk analysis, consequence analysis and mock-drill exercise. Past accidents at Textile mills, Boiler explosion etc. in other States were also discussed with the participants.

This was followed by group activity on Table-top exercise of the mock-drill. This exercise made the event livelier as all the participants were made to involve either as key personnel for role play or as observers. An imaginary fire scenario was conceived in which the three persons were selected to play the role of process in-charge, safety in-charge and Incident commander and the rest were

to observe their actions and response. Before mock-drill the key personnel were briefed about the accident scenario and their role to tackle the situation. The entire activity was guided and supervised by the expert Shri Vidyasagar.

In the second technical session Shri Ranjeet Singh, General Manager, M/s Bhansali Engineering Polymers Limited (M/s BEPL) made a brief presentation of their on-site emergency plan elaborating the accident management mechanism being adopted by them in the event of an accident or chemical emergency.

The presentation was followed by 'field demonstration of on-site management plan and mock-exercise to give a practical exposure to the trainee participants. The exercise was also aimed to assess the strength and weaknesses of the emergency management plan. The mock-drill was headed by Shri Ranjeet Singh, General Manager, M/s BEPL and the review of the task was done by expert Shri TEC Vidyasagar along with the participants who were independent observers of various operations of mock-drill.

The scenario was the outbreak of fire near chemical storage area inside the premises involving mainly butadiene, acrylonitrile and styrene. The mock-drill started at 1510 hours and completed at 1555 hours. The emergency plan was initiated by blowing emergency siren which triggered various emergency actions by the concerned staff as stipulated in the emergency plan.

The process of emergency mitigation included the use of water canon and foam jet through the mobile fire equipment and foam tenders which helped in containing the effect of fire. Outside help from the district administration was also sought who immediately sent the fire tenders to control the fire. The medical staff and ambulance were also pressed into service to lift and carry the injured personnel affected due heat radiations. The response of management and field equipment preparedness were tested during the drill. Water curtain

was formed at the fire site to prevent the heat radiations to travel farther. Water jets were put to operation to keep the temperature of chemicals storage tanks under control. An all clear was declared by the incident commander and the siren was blown at 1555 hours declaring the completion of the Mock drill exercise. This was followed by head count exercise and debriefing session at the assembly point.

Review of the mock-drill and the process of post event analysis was facilitated by Shri TEC Vidyasagar. The gaps and lapses observed in the emergency management and the actual conduct of the mock-drill were discussed in detail along with the tips for the improvement. Photography and video-shoot was also taken to record and have a closer look of all the mock-drill events and also to later analyze various components minutely for further improvement.

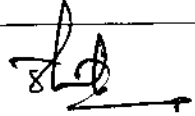
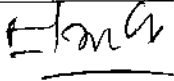



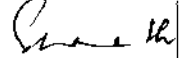
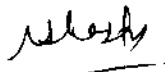
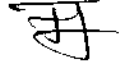
At the end TEC Vidyasagr, Shri Ranjeet Singh and few participants praised the idea to conduct such training programmes at industrial sector to give opportunity to more people to attend and take benefit from it. They also felt the need of such programmes on regular basis in other pockets of the State for wider awareness. The feedback received from the participants indicated their keen interests in such training and awareness programmes. Quite a number of participants suggested to conduct such programmes on regular basis.


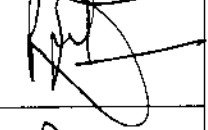
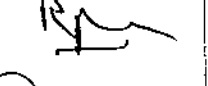
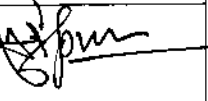
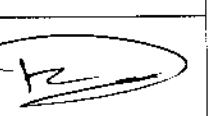
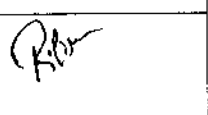
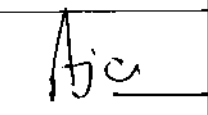
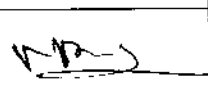
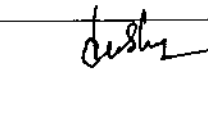
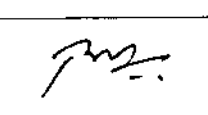
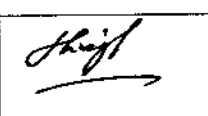
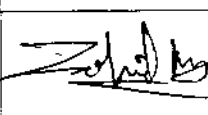
Dr. Rajendra Chaturvedi, Scientist, ERC conducted entire activity through out the day alongwith Shri Manoj Jain, Chemist, ERC, who helped build up the background material which was distributed to the participants in the form of C.D. as part of course material.

The programme was concluded with the distribution of the Certificates of Participation to the participants and ended with thanks to the Chair, dignitaries and the participants by Shri S.N. Patil, Sub-regional Officer, M.P. Pollution Control Board, Chhindwara who put in sincere endeavour and great efforts to make the event successful.

**Awareness-cum-Training Workshop on
Chemical Emergency - Planning, Preparedness & Response
Borgaon, Dist. Chhindwara**

Tuesday, March 20th, 2012

| S.No. | Name of Participant | Address | E.mail | Phone No. | Signature |
|-------|--|----------------------|---------------------------------------|------------|---|
| 1. | S.K. SINHA | WCL, PENCH AREA | sksinha-hl@rediffmail.com | 9425147192 |  |
| 2. | N. S. BISHT | WCL PENCH AREA | - | 9424666944 |  |
| 3. | J.S. Chauhan (Social worker in environment) | Chhindwara | reliable - consult 2008 @yahoo.com | 9424909626 |  |
| 4. | R.V. GOTMARE | WCL, PENCH AREA | - | 9993888099 |  |
| 5. | R.G. SHARMA | WCL - PENCH AREA | Ravindra Sharma 1964 (9) Sedani | 9893354618 |  |
| 6. | S.K. Rath | W.C.L Pench Area | - | 9407031640 |  |
| 7. | A.V. Shastri | WCL Pench Area | - | 8989507446 |  |
| 8. | F.L. Borkhane | Kantam Area W.C.L | - | 9479616930 |  |

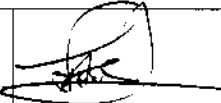





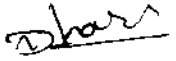
| | | | | | |
|-----|------------------|------------------------------|---------------------------------|-------------|---|
| 9. | P.K. Benger | WCL. Kandwa Area. | | 9806375166 |  |
| 10. | Ranjeet Singh | BEPL | ranjeetsingh@bhansaliabs.com | 8435002900 |  |
| 11. | R. Purushothaman | BEPL | rpurushothaman@bhansaliabs.com | 843502506 |  |
| 12. | I. T. NAGPURE | BEPL | itnagpure@bhansaliabs.com | 8003195810 |  |
| 13. | H.C. Dwivedi | BEPL | safety.sat@bhansaliabs.com | 9907245331 |  |
| 14. | Rajesh Pillay | BEPL | (IT/raj.pillay@bhansaliabs.com) | 8435002921 |  |
| 15. | Ajay Upshyam | Drytech Pandhurna | ajayupshyam@gmail.com | 08985407615 |  |
| 16. | Madansinh Bera | Drytech Pandhurna | - | 9584678480 |  |
| 17. | Subhul Chandra | Hindalco Uranium Limited | subhul.chandra@hindalco.com | 08827393773 |  |
| 18. | N.K. Bachhotiya | WCL, Kanhan Area Ambarni. | nkbachhotiya@gmail.com | 09893565687 |  |
| 19. | Sanjay Singh | Raymond Ltd. Chhindwara | sanjay.singh@raymond.com | 0789839598 |  |
| 20. | Jalind Kumar | CHM | Jalind.khansomat@gmail.com | 9425391823 |  |

| | | | | | |
|-----|--------------------|--------------|---------------------------|------------|--|
| 21. | MASEEM KHAN | NOBHARTPRESS | MimbCHH123 @G.mall.com | 9425896960 | |
| 22. | Ashish arbey | Raymond Ltd | ashish.arbey@raymond.in | 9407358999 | |
| 23. | SANJAY PATHAK | Raymond Ltd | Sanjay.Pathak@raymond.in | 9479939024 | |
| 24. | S.L. Deshpande | Premier And | peacockind@satyam.net.in | 9371107272 | |
| 25. | R.N. Javid | -11- | -11- | 982220875 | |
| 26. | G. S. Munkh | Raymond | gateenam.munty@raymond.in | 9425817965 | |
| 27. | K. Jayamuthu Reddy | Raymond Ltd | K.Jayamuthu@raymond.in | 9827929042 | |
| 28. | Vipin D. Mohane | Raymond Ltd | Vipin.Mohane@raymond.in | 9252452422 | |
| 29. | Harish V. Kathole | Raymond Ltd | harish.kathole@raymond.in | 9407819501 | |
| 30. | Akhil Singh | Raymond Ltd. | Akhil.Singh@raymond.in | 9329784269 | |
| 31. | Vinod Padmanabhan | Raymond. | | | |
| 32. | Jyoti Jishi | Raymond | | | |

| | | | | | |
|-----|--------------------|---|--|-------------|--|
| 33. | A.K. Singhi | So. Mgr. Panchfres | Amil Kumar. 974. | 9424644619 | |
| 34. | U.R. Deshmukh | Mgr. Elect. | Raymond Ilet | 9329280676 | |
| 35. | S. Sanyal | Partner | bbu1989@gmail.com Bharatiya Barood Udyog | 98503 03318 | |
| 36. | D.S. THAKRE D.T | -/- | BHASKAR BAMB Vam | 9049670469 | |
| 37. | Vikas Saware | 718 AKUN Borgan | Shri Nakoda Chemical | 969638046 | |
| 38. | Deepale Himmatan | Satnoor. | deepale@wept.net | 9425176595 | |
| 39. | Ajay Harkar | Raymond. | Ajay. HARKAR de raymond in | 9424325755 | |
| 40. | Anis Ahamad | Krishna Pong Address P.Hed Borgan | anis.kap1@gmail.com | 7259920756 | |
| 41. | V.A. Charde | Manager Fern | blpssmit@gmail.com | 9754858570 | |
| 42. | Roshan Chaudhary | Elect. Engg | — | 9424325665 | |
| 43. | Vishal Jain | MPAKUN | Sofel foods | 9589530779 | |
| 44. | Manish Bobade | Sobisco Balcet Borgan | Sobisco | 9981124147 | |

| | | | | | |
|-----|--------------------------|---------------------------------|------------------------------|-------------|-----------------|
| 45. | Nitin Bhatt | Adani Wilmar | bhatt-nitin29@rediff.com | 8989799301. | <u>Uebhatt</u> |
| 46. | Laxmi Nayak | JCO Gas Pric Ltd | logix@jco-pric.com | 9754323313 | <u>Laxmi</u> |
| 47. | Parit Kumar A. | — | Kumar.jco@gmail.com | 9981665741 | <u>Parit</u> |
| 48. | JAMVEER SINGH. | Bonegan.. | jsingh@qulshantia.com | 9965880489 | <u>JM</u> |
| 49. | Thomas A-G | Raymond | Thomasag@raymond.in | 9425895880 | <u>Thomas</u> |
| 50. | Jitendra Singh | Raymond. | | 9424665740 | <u>JTS</u> |
| 51. | Banjay Tichkar | — | | 08149871950 | <u>Banjay</u> |
| 52. | Vinod Jain | — | | 9691879859 | <u>Vinod</u> |
| 53. | 11397 Visasara (IT Dept) | Raymond | visar.visasara@gmail.com | 9907562298 | <u>Visasara</u> |
| 54. | SH. Paveen Shaivastava | K.J.V. Alloye. | Paveen_2268@gmail.com | 9300680999 | <u>Paveen</u> |
| 55. | C.K. Chatterjee | K.J.V. Alloye - Cond. Put W, | baneggonoffice.gds@gmail.com | 09326001084 | <u>CK</u> |
| 56. | Sarang Menkudde | Raymond | sarang.Menkudde@raymond.in | 9371453514 | <u>Sarang</u> |

| | | | | | |
|-----|-------------------------|----------------------------------|---------------------------------------|-------------|---------------|
| 57. | Parag Suteone | c1316, vijaygram, Raymond | parag.suteone@raymond. in | 07898433526 | Swati |
| 58. | Om Doh Singh | Raymond | - | 09423629056 | Q |
| 59. | B. B. Tewari | Do | bblewate@raymond.in | 9329620275 | mic |
| 60. | R. S. Mujumdar | Raymond | raghavendra.mujumdar@ raymond.in | 9425817443 | R |
| 61. | D. S. Deshmukh | Raymond | d.deshmukh@raymond.in | 9406785457 | SS |
| 62. | Vinod Singh | Raymond | Vinod.Singh@raymond.in | 9406725804 | h. |
| 63. | Narender Singh Bhis. | Hariyasa Pithorais Chhindwara | shivmishra@rediffmail.com | 9425148298 | Bhis |
| 64. | Narendra Chary | Shalivahana power plant. | sgol.chhindwara@com | 7869504705 | Parul |
| 65. | U. S. Yewale | G/C Lab Raymond | g.c.lab@raymond | 8928281983 | U/S |
| 66. | Akhil Jain | Raymond | Akhil.Jain@raymond. in | | A |
| 67. | Ajay Holkar | Raymond | Ajay.Holkars@Ray mond | | A |
| 68. | c. b. chowdhary | - | chandra-kant.chowdhary @raymond.in | 9981436710 | A |

| | | | | | |
|-----|----------------|--------------------------------|---|-------------|---|
| 69. | A.K. Silykh | Raymond Suryavanshi | - | 9329385281 |  |
| 70. | V.D. Wasnik | Suryavanshi Spinning, Rajur | | 9753919284 |  |
| 71. | P.H. Pantamane | Raymond | | 9422124631 |  |
| 72. | M.S. Ali (Ali) | Raymond | | 9923537885 |  |
| 73. | RAJESH JUNEJA | V. Ford CHHINDWARA | | 9425147031 |  |
| 74. | M. G. Dhole. | B.E. P.L. | | 99881488396 |  |
| 75. | Dharamchand | Pansia. | | 9755784221 |  |

| | | | | | |
|----|---|-------------------|--|-------------------------------|--------------------------------|
| 76 | Dr. Gunwant Jashi | MPPCB, Bhopal | | 98 27268015 | <u>nm</u> |
| 77 | Dr. R. Chaturvedi | MPPCB, Bhopal | ERCMP PCB@NIC.IN RCBPL@REDIFFMAIL.COM | 0755-2696716(R) 4278339(O) | <u>Rajesh</u> 20th Mar 2012 |
| 78 | Sonjay Manoj Jain (Chemist) | MPPCB Bhopal | | 9926264351 | <u>man</u> |
| 79 | Dr. S.K. Khore (Scientist) | MPPCB, Jabalpur | | 9893041025 | <u>SK</u> |
| 80 | R.K. Jain (Chemist) | MPPCB, Jabalpur | | 982641769 | <u>R.K.</u> |
| 81 | S.N. Patil (Scientist) | MPPCB, Chhindwara | | 9993349890 | <u>S</u> |
| 82 | Ramesh Dwivedi | MPPCB, Chhindwara | | 9039402261 | <u>R Dwivedi</u> |
| 83 | Suresh Saretha | MPPCB, Chhindwara | | 9893131797 | <u>Sh</u> |

BOREGAON INDUSTRIES ASSOCIATION

Boregaon AKVN, Tehsil- Sausar, Distt- Chhindwara (MP)

Registration No.-04/17/05/14022/11

To,
The Chairman,
M.P. Pollution Control Board
Paryawaran Parisar, E-5, Arera Colony
Bhopal-462016 (MP)

Date- 26.03.12

Sub: Awareness-cum-Training Workshop on Chemical Emergency- Planning, Preparedness & Response

Respected Sir,

We hereby thanks and appreciate to MPPCB for conducting work shop on Chemical Emergency- Planning preparedness & Response on 20th March 2012 in the guest house of Raymond Ltd at Boregaon, Distt- Chhindwara.

We got very valuable knowledge in this workshop to control the disaster situations.

We expect you to conduct many more awareness programme like this in our area

Thanking You,

Yours faithfully

PRESIDENT
(VINOD PADMANABHAN)

BOREGAON INDUSTRIES ASSOCIATION

CC.TO: Regional Officer, MPPCB, JABALPUR,
Sub Regional Officer, MPPCB, Chhindwara.

बताए सुरक्षा के उपाय

बोरगांव में हुई प्रदूषण नियंत्रण बोर्ड की कार्यशाला

छिंदवाड़ा। प्रदूषण नियंत्रण बोर्ड द्वारा पिछले दिनों बोरगांव में एक दिवसीय प्रशिक्षण कार्यक्रम आयोजित किया गया। जिसमें प्रदूषण से होने वाले नुकसान और असम्यक दुर्घटना से बचाव के तरीकों से अवगत कराया गया। विभिन्न



प्रदूषण नियंत्रण बोर्ड द्वारा आयोजित कार्यशाला में उपस्थित अधिकारी

कंपनियों और प्रदूषण नियंत्रण बोर्ड के अधिकारियों ने इस कार्यक्रम में हिस्सा लिया। इस मौके पर उपस्थित कार्यक्रम के मुख्य अतिथि यंत्र प्रदूषण नियंत्रण बोर्ड के अध्यक्ष डॉ.एनपी सुमला ने बताया कि उद्योगों के पास स्वतंत्रता रसायनों की पर्याप्त जानकारी होना आवश्यक है। जिससे कोई दुर्घटना घटित न हो लेकिन भूलवश ऐसी कोई घटना घटित हो जाए जिससे जनधन को हानि पहुंचे तो ऐसी स्थिति में इमरजेंसी रिस्पॉन्स सेंटर से सतत संपर्क रखें। कार्यक्रम के सभापति पी. विनोद संचालक रमेश लिमिटेड बोरगांव ने कहा कि सभी रसायनों के उपयोग में सावधानी रखना चाहिए। बोर्ड के क्षेत्रीय अधिकारी

गीएस भूदला ने अपने उद्बोधन में कहा कि दुर्घटनाओं से बचने के लिए पूर्व तैयारी होना भी आवश्यक है। यदि तैयारी नहीं तो किसी भी अचानक से दुर्घटना निपटार जा सकता है। उपक्षेत्रीय अधिकारी एसएम पाटिल ने कहा कि वरिष्ठ अधिकारियों द्वारा दी गई सीख या ज्ञान देते हुए इन पर अमल करना चाहिए। कार्यक्रम में औद्योगिक क्षेत्र बोरगांव, इन्डियन पेट्रोल पंच एक कन्हाय शीर के अधिकारी एवं अन्य उद्योगों के प्रतिनिधियों ने अपनी उपस्थिति दर्ज करवाई। कार्यक्रम का संचालन भापाल के बंडलिक राजेंद्र चतुर्वेदी ने किया। कार्यक्रम में मुख्य कोषाध्यक्ष निरोधण सी विघ्नाचार्य, जितेंद्र मिह चौहान आदि उपस्थित थे।

रक्षा समिति सदस्यों को मिले डंडे

गुल्वार, 22 मार्च, 2012

सादर पुलिस ने बंधनार की शक्ति प्राणम से ही आम ब नागरिकों रक्षा समिति सदस्यों को एक सम्मेलन आयोजित किया। इस दौरान रक्षा समिति सदस्यों को डंडा, सीटी, हाथी चार्जिंग का विनाश किया गया। साथ ही पुलिस ने गांव में उन्हें समर्थन देना बनाकर रखने अपराध होने पर उन्हें अपने जाली व्यवस्था के अंतर्गत आतंकीयों से। पुलिस मुख्यालय की निर्देश पर गांव प्रभावित क्षेत्रों में सुरक्षा के लिए रक्षा समिति के सदस्यों को नियोजित किया भी। इस दौरान लगभग 130 समिति के सदस्य उपस्थित रहे। पुलिस ने धर्मशाने सुरक्षा को अपने अपने गांव में सुरक्षा के लिए कर अपराधियों से लड़ने में पुलिस को जानकारी देते जैसा बड़े गांव से सम्मान का दर्जा और गांव के लोगों को भी बताया। सम्मेलन में पुलिस व्यवस्था भी की गई थी। रक्षा समिति के सदस्यों ने पुलिस से सुरक्षा के बड़े करने का अवसर दिया।

जनजागृति

जनजागृति पर कार्यशाला आज

विद्युत् (अपराध) पर
प्रत्येक नियम का
अविवेकी त्रुटि का
परिणाम है। प्रत्येक
इंजिनियर को अपने
अभिलेखन विधि के अन्तर्गत जन
जागृति तकरीबन 20 दिनों को
प्रत्येक वर्ष से मेसर्स प्रोमोट
विद्युत् के अन्तर्गत करारों के
अन्तः 9-10 दिनों को आयोजित
होगा। जिसमें प्रत्येक विद्युत्
जोड़ने के लिए ही सतरी तकिया
एक सतरी तकिया ही आवश्यक
इपरधिया है। प्रत्येक विद्युत् के
क्षेत्र के अन्तर्गत प्रत्येक विद्युत्
कर्मकर्म विद्युत् विद्युत् अद्यतन
विद्युत् विद्युत् विद्युत् विद्युत्
प्रतिदिनियों के द्वारा विद्युत् विद्युत्
विद्युत् विद्युत् विद्युत् विद्युत्

राष्ट्रीय पत्रिका

