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Press Release

BSES Deploys Innovative Solutions to Manage Space Crunch 'Double Decker Sub Stations' and 'E House' are being deployed in congested areas

- **Delhi's first 'Double Decker Sub Station' commissioned in Sangam Vihar**
- **Delhi's first 'E (Electronic) House' deployed in Krishna Nagar**
- **These innovative technologies take 40-50% less space than their conventional counterparts**

There are many areas in Delhi where discoms are facing constraints in network augmentation. Primary reason being lack of sufficient space for installing and laying new power infrastructure. This at times, affects discoms' ability to maintain stable and reliable supply.

Deploying innovative solutions

Availability of space remains the most viable solution, for which discoms have been writing to various stakeholders in this regard with some success. As a consumer friendly measure, on their part, BSES Rajdhani Power Limited (BRPL) and BSES Yamuna Power Limited (BYPL) have started deploying innovating solutions like 'Double Decker Sub Stations' and 'E (Electronic House)' in congested areas to augment their distribution network. By doing so, BSES discoms have become the first discoms in Delhi and only a handful in India to deploy these space saving solutions. These two innovations solutions take 40-50% less space than conventional sub-stations, thus making them ideal for congested areas.

Double Decker Sub Station

BSES Rajdhani Power Limited (BRPL) has commissioned Delhi's first 'Double Decker Substation' in Sangam Vihar, a heavily congested area in South Delhi. It is a 630 KVA substation, which will help to strengthen the power supply in the area. This sub-station measures 6.25 sq. meters vis-à-vis 20 sq. meters for its conventional counterpart – at almost the same price. After the successful completion of the pilot, 50 more such 'Double Decker Substations are planned over the next few months.

E (Electronic) Hub

BSES Yamuna Power Limited (BYPL) has installed Delhi's first state-of-the-art packaged Grid or Electronic House (Electronic Compacted Switchgear) in Krishna Nagar, a congest area in East Delhi. The 36 MVA E (Electronic House) in Krishna Nagar's C Block, will substantially improve

the area's power supply by adding 36 MVA capacity. This will cater to the area's present and future needs.

Incorporating the latest German technology and made by Siemens, this is 'all-in-one', 'plug and play' compact packaged Grid, takes around 40% less space than a conventional Grid. It also takes less 1/3d erection time of a conventional Grid.

A Grid is typically commissioned in about 18 months. On the other hand, this E Hub has been commissioned in less than 8 months, thereby saving a lot of time. Another unique feature of this Compact packaged Grid is that it does not need separate premises to house the panels; they are encased within the existing enclosed compartment.

According to a BSES spokesperson, "Since inception, BSES discoms have taken a lead in adopting innovative technologies to reduce AT&C losses and to ensure reliable and quality power supply to more than 38 lakh consumers. These two deployments are latest testimonials to this".

BRPL & BYPL are premier power distribution companies and Joint Ventures between Reliance Infrastructure Limited and GoNCT.

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