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Title of Entry	: Prospects of Green Super Rice in Improving livelihoods of Indian Rice Farmers
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**Abstract** : Rice production for poor smallholder farmers is associated with risk and uncertainty, especially in the rainfed areas subject to drought, prolonged flooding, problem soils and susceptible to major diseases and insect pests,. Indian government has a strong interest in maintaining stability in rice production, supply and prices for both farmers and consumers. There is a need for a range of interventions to improve returns to farmers, including development of biotic and abiotic stress resistance varieties with improved quality. The Green Super Rice is emerging as an alternative technological option within rice farming scenario. If GSR varieties make inroads into India in a strong manner to develop, refine, target and upscale in a network mode for accelerating the impact of GSR varieties, that would directly contribute to the improved productivity, sustainability and moreover better resilience to emerging challenges at micro level. This will also compliment the ongoing development programmes of Government of India such as BGREI, NFSM and RKVY. The prospects of GSR varieties in improving the livelihoods of Indian farmers are presented in the paper. Developing and identifying promising GSR lines with improved yield, quality, stress tolerance and input use efficiency through conventional & genomic assisted breeding will go a long way in providing a cafeteria of options to boro areas in India. The GSR activities when undertaken along with Integrated Crop Management, would result in realizing yield potential. The prospects are defined by mapping the rice areas that have production constraints especially the biotic, abiotic and socio-economic constraints that afflict the rice production in India. The trait needs are determined based on the productivity losses and the opportunity costs. Based on available GSR lines / varieties and their traits most suitable areas for promoting GSR varieties were identified using GIS/ Remote sensing Technologies. Based on the mathematical models, the potential of GSR varieties in increasing the productivity, profitability, sustainability at distric level have been determined. This exercise led to the potential benefits that could be accrued using GSR varieties in ideal conditions of diffusion and adoption.

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