

Proceedings of meeting held on 30.08.2017 & 01.09.2017 at Rotary Town Hall, Shimla under the chairmanship of Joint Commissioner-cum-Nodal Officer - Shimla Smart City regarding preparation of Advance Concept Notes for Shimla Smart City projects.

Following were present during the meeting held on 30.08.2017:

Sr. No.	Name	Designation
1.	Sh. Dharmendra Gill	Superintending Engineer, GSWS&SC, M.C.S
2.	Dr. N. Mittal	Chief Medical Officer, Shimla
3.	Sh. Sanjeev Gupta	Tehsildar (U), Shimla
4.	Sh. Prem Sharma	Distt. Sports Officer, Shimla
5.	Sh. S.K Justa	Dy. Director, Tourism
6.	Sh. K.R Bhandari	Assistant Director, Elementary Education
7.	Sh. Vijay Gupta	Municipal Engineer, M.C Shimla
8.	Sh. Jitender Garg	Executive Engineer, GSWS&SC, M.C Shimla
9.	Dr. H.R Thakur	Corporation Health Officer, M.C Shimla
10.	Sh. Sanjay Gera	Station Superintendent Shimla
11.	Sh. D.K Bajaj	ADEN/SML, Railways
12.	Sh. A.S Thakur	CMI/NR/SML, Railways
13.	Dr. Ranjna Rao	Sr. Medical Superintendent, DDU Hospital
14.	Dr. Yogesh Gupta	Medical Officer, DDU Hospital
15.	Sh. Dheeraj Dhiman	Sr. Xen (E), ED City, HPSEB
16.	Sh. D.S Negi	Regional Manager, HRTC
17.	Sh. Rakesh Thakur	Assistant Engineer, HPPWD
18.	Sh. Gopesh Behl	Assistant Engineer, M.C Shimla
19.	Sh. Sanjay Kashyap	Divisional Engineer, BSNL
20.	Sh. Anil Mohil	SDE, EB, BSNL
21.	Sh. Sandeep	Accounts Officer, BSNL
22.	Sh. Sagar Sharma	Sr. Engineer, EESL
23.	Sh. Jetin Anand	Sr. Engineer, EESL
24.	Sh. Anil Singh Rana	Geologist, O/o State Geologist, Shimla
25.	Sh. Mohan Thakur	Junior Engineer, AP Branch, M.C Shimla
26.	Sh. Devender Sharma	PA to Joint Commissioner, M.C Shimla
27.	Ms. Purnima Chauhan	Research Officer, M.C Shimla

Following were present during the meeting held on 01.09.2017:

Sr. No.	Name	Designation
1.	Sh. Nagesh Guleria	Chief Conservator of Forest, Shimla
2.	Sh. Anil Semwal	Deputy Director, DIT
3.	Sh. D.S Negi	Regional Manager, HRTC
4.	Sh.DharamChand Sharma	Station Fire Officer, Shimla
5.	Sh. M.L Thakur	Fire Prevention Officer
6.	Sh. Sudhir Gupta	Executive Engineer (R&B), M.C Shimla
7.	Sh. P.K Soni	Executive Engineer, HIMURJA
8.	Dr. Krishan Chand	Sr. Scientific Professional, AGiSAC
9.	Dr. Brijesh Saklani	Sr. Scientific Professional, AGiSAC
10.	Sh. R.S Rana	Sr. Editor, I&PR
11.	Sh. Rajesh Thakur	Assistant Engineer (R&B), M.C Shimla
12.	Sh. Deepak Kumar	Programme Executive, All India Radio
13.	Sh. Jitender Kumar	Consultant from DIT
14.	Ms. Komal Kantariya	City Project Coordinator, DM Cell, M.C Shimla
15.	Ms. Amita Chauhan	Manager, DAY-NULM, M.C Shimla
16.	Sh. Dikshit Sharma	Rep. of Swachh Bharat Mission, M.C Shimla
17.	Sh. Devender Sharma	PA to Joint Commissioner, M.C Shimla
18.	Ms. Purnima Chauhan	Research Officer, M.C Shimla

At the outset, Nodal Officer-Smart City welcomed all the participants and said that the concerned departmental Nodal Officers should send a soft copy of draft concept note of each project by email on 15.9.2017 at mcs_shimla@yahoo.com which will be reviewed on 18.9.17 at Rotary Town Hall. He added that each initiating department is required to submit the final Advance Concept Notes by 30th September as per Annexure-C of the Way Forward Document, which is available on the Municipal Corporation website <http://www.shimlamc.org>.

Superintending Engineer, GSWS&SC added that Advanced Concept Notes will form the base documents for preparation of DPRs for all 50 Smart City projects. He said that stakeholder departments should strive to make a comprehensive Advance Concept Note so that no gaps are found at later stages. Thereafter project wise discussions were held as per Annexure-C of Way Forward Document and following points were brought out:

1. **Land Acquisition for Critical Sections & Widening of Roads:-** Assistant Engineer, HPPWD informed that 70 points have been identified for widening and the cost of same has also been worked out. The Nodal Officer-Smart City said that PWD needs to prepare a budgetary note for this component to enable budgetary provision for the same in the State Budget. In

addition to this Regional Manager, HRTC said that survey of 53 bus stops has already been done for which a joint inspection with PWD is required to be done. The Nodal Officer-Smart City said that land required for construction of 53 identified bus stops should also be included by PWD in the Advance Concept Note. He suggested that the Advance Concept Note should include a map of the identified points. **(Responsibility - Nodal Officer HPPWD)**

2. Road Widening/improvement of junctions, basic work of bus stop, footpath, duct, etc.:- Nodal Officer-Smart City said that land acquisition cost for this project should also be included in the advance concept note of project no. 1. He added that HRTC has already identified points for construction of rain shelters, therefore PWD should not construct rain shelters at other places as this will lead to wastage of funds. He clarified that 'basic work of bus stop' under this project, only deals with cutting/retaining works; whereas the construction of rain shelter and kiosk forms a part of project no. 5.

In addition to this, 28 locations have also been identified for junction improvement for which preliminary drawings should be suggested in the Advance Concept Note. Further, plan of both side footpath and duct is also required to be incorporated. He suggested that map indicating the points of road widening, bus stop development, junction improvement, footpath and duct should be included along with estimated cost. He added that PWD needs to prepare a budgetary note for this component to enable budgetary convergence of Rs 1.63 Cr. for the same in the State Budget. Further before preparing advance concept note, PWD may conduct a joint inspection with HRTC & MCS. **(Responsibility - Nodal Officer HPPWD)**

3. Booths for traffic police, LED traffic lights, high mast lights & signage's:- The Nodal Officer of Police department was not present during the meeting. Nodal Officer-Smart City observed that the department may be informed that this Advance Concept note needs to bring out the listed requirements along with a map indicating the various locations and costs involved. **(Responsibility - Nodal Officer Police Department)**

4. Grade separator/foot over bridge:- Superintending Engineer, GSWS&SC apprised that plan is available under AMRUT along with locations and costs. He added that additional grade separator/foot over bridges will also be proposed. Nodal Officer-Smart City said that Convergence of Rs. 10.10 Cr. under AMRUT should be brought out while proposing the advance concept note of this component. **(Responsibility - Nodal Officer MCS - EE R&B)**

5. Development of Smart Bus Stops with all facilities:- Nodal Officer-Smart City said that advance concept note may be prepared by HPBSMA/HRTC in coordination with IT dept. and PWD for development of 53 smart bus stops across the city, including ICT solutions such as real time bus arrival display, public wi-fi, PA system for information to visually impaired and provision of rain shelter-cum-Kiosk to enable PPP. Costs of the same are required to be brought out in the advance concept note. **(Responsibility - Nodal Officer HPBMA/HRTC)**

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6. **Installation of e-toilets at bus stops & important public places:-** Nodal Officer-Smart City informed that HRTC has already identified locations for bus stops. Therefore, M.C Shimla should coordinate with Nodal Officer-HRTC and identify locations where e-toilets have to be installed. It was decided that only one male & one female unit will be proposed between two adjoining bus stops. Accordingly, an advance concept note and convergence note under SBM is required to be prepared, as per which funds are to be demanded from Directorate of UD. The advance concept note should include cost of e-toilets at bus stops and other places as per requirement. **(Responsibility - Nodal Officer MCS - CHO)**

7. **Construction of docks for pilot bike sharing scheme:-** Nodal Officer-Smart City said that the advance concept note for this project will need to be prepared in consultation with various cycling groups in the city. He added that accordingly an advance concept note for the same would be prepared. **(Responsibility - Nodal Officer MCS - Joint Commissioner)**

8. **Construction of Lifts & Escalators:-** Nodal Officer-Smart City said that the locations and costs of the said lifts and escalators identified preliminarily during the proposal preparation phase need to be listed clearly, indicating the cost and length in each case. **(Responsibility - Nodal Officer MCS - EE R&B)**

9. **Development of vehicle parking:-** Nodal Officer-Smart City brought out that the project includes both enhancement of existing parking by installation of racks and construction of new parkings. He added that MCS is required to provide location wise capacity enhancement and construction figures accordingly. He further added that the advance concept note should include convergence amount under AMRUT and Green Fee as proposed in the Smart City proposal. **(Responsibility - Nodal Officer MCS - EE R&B)**

10. **Development of dedicated fire fighting system including SCADA:-** Nodal Officer-Smart City apprised that under convergence with the 'Van Sarovar Scheme' of the Forest Department, provision of check dams and tanks has been made in various forest areas of the city, to create a storage capacity of approximately 50 lac litres of runoff water. The tanks will be connected to a dedicated fire line running along the motor able roads of the city. The additional water will be utilized for irrigation of green areas and sale to tourism industry for non-potable purposes.

In this regard Chief Conservator of Forest inquired as to how many zones will the city be divided for laying of these fire lines and will the tanks be pucca or mud structure. In this connection Nodal Officer-Smart City informed that since runoff water cannot be collected at the hill top, therefore it has been proposed that runoff water will be stored at lower height in different areas, from where water will be pumped to different tanks at the hill top. These tanks will further feed the dedicated fire lines/hydrants of that particular area. For this purpose tanks with 30 lac litre capacity may be constructed at lower height and tanks with 20 lac litre capacity may be constructed at hill top. If needed, this total capacity may be enhanced beyond 50 lac litre. He added that in Shimla SCP cost is proposed for RCC tanks which may be changed as per other technology such as plastic lined storage tanks.

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Further Chief Conservator of Forest added that apart from large tanks for this purpose, check dams can be constructed alongside nallahs and certain locations can be identified where capacity of these tanks can be increased. Nodal Officer-Smart City requested the fire department to identify locations of hill-top tanks and dedicated fire lines and further coordinate with the forest department to finalise the location of feeder tanks lower down the hill. He added that advance concept note should also include features required for dedicated fire fighting, distance between heights, technology used, estimated cost, drawings, etc. for which the assistance of forest department may be sought. **(Responsibility - Nodal Officer - Fire Department)**

11. Laying electrical cable on main road in utility duct:- Nodal Officer-Smart City apprised that a combined duct containing all underground services excluding sewerage is proposed along 31 Kms of major roads of the city. In this connection Sh. Dheeraj Dhiman, Sr. Xen (E), HPSEB informed that under IPDS scheme there can only be an inclusive duct for power cables. Nodal Officer-Smart City said that separate section can be made for power cables in the duct. Sh. Sanjay Kashyap, Divisional Engineer, BSNL said that adjacent duct is feasible whereas deepened duct is not feasible. Sh. Dheeraj Dhiman, Sr. Xen (E), HPSEB added that the existing IPDS is on final stage which does not include ducting so there is no commitment of funds under this scheme for laying of cables in a duct.

In this regard Nodal Officer-Smart City said that since the Govt. of India has accepted the Shimla Smart City Proposal, a fresh proposal under IPDS is likely to be accepted by the concerned Ministry. He said that the advance concept note may be prepared to include SCADA system. Further he added that if funds are not made available under IPDS for ducting, the same can be done under project no. 2 and the IPDS funds can be proposed to increase the length of underground power cables beyond the proposed 31 Kms. **(Responsibility - Nodal Officer - HPSEBL)**

12. Rehabilitation of Railway Area:- Nodal Officer-Smart City apprised that under this project the existing railway line will be revived from Shimla Railway Station to Old Railway Station (Balku Museum). It is also proposed to provide vertical and pedestrian mobility options at various railway stations between Shimla and Shoghi to provide passenger connectivity along with increase in train service in this stretch to enable a local rail transit service option to city citizens. In order to get financial viability kiosks and commercial spaces are proposed at all these railway stations. Accordingly, a concept note should be prepared along with drawings and cost estimates and a fresh schedule of local rail transit between Shimla and Shoghi. In addition a convergence note for Rs. 15 Cr is also required to be prepared under Railway budget. **(Responsibility - Nodal Officer - Northern Railways)**

13. Re-installation of street lights on Circular road:- Sr. Engineer, EESL informed that an order can be given by MCS for additional fixtures and accordingly same will be supplied by EESL. He added that additional cost will be borne by SPV. Nodal Officer-Smart City said that in

the advance concept note, MCS may provide the requirement of additional street lights and poles all along circular road and three transit corridors of the city as per prevalent norms, along with cost estimation of the same. (Responsibility – Nodal Officer – MCS – JE Electrical)

14. Construction of tunnel from Lift to Lakkar Bazar:- Assistant Engineer, HPPWD intimated that existing plan for construction of this tunnel is available with the department. In this connection, Nodal Officer-Smart City said that initially tunnel from Lift to Lakkar Bazar was proposed near, Lift but in Shimla SCP the same has been proposed below cart road, therefore the length of this tunnel will increase. He said that that the advance concept note should include type of technology i.e TBM or blasting and accordingly the cost estimate for construction along with estimated timeline. (Responsibility – Nodal Officer HPPWD)

15. Construction of tunnel from Lift to Lakkar Bazar:- Assistant Engineer, HPPWD intimated that existing plan for construction of this tunnel is also available with the department. Nodal Officer-Smart City said that the advance concept note should include type of technology i.e TBM or blasting and accordingly the cost estimate for construction along with estimated timeline. (Responsibility – Nodal Officer HPPWD)

16. Development of Old ISBT including Urban Knowledge Centre, SPV Office, Railway Station & Museum:- Nodal Officer-Smart City apprised that Old ISBT/Railway Station building will be rebuilt and will contain Modern Heritage Railway Station, Balku Rail Museum and City Planning Museum, Smart City Urban Knowledge Centre -cum- Skill Development Centre, Commercial spaces & public utilities. In this regard Sh. D.K Bajaj, ADEN/SML, Railways intimated that Railway Dept. has already proposed parking-cum-commercial complex on PPP mode at existing railway parking therefore that space cannot be utilized for any other project. He said that apart from the area included in the Shimla SCP, more land is available which can also be utilized for other projects of Smart City.

Further Regional Manager, HRTC said that taxi parking should not be allowed on the terrace of railway building as it leads to hindrance. He added that boarding/deboarding of local buses should be allowed at Old ISBT during peak hours. He also added that pillar strength of existing HRTC office is good, therefore 4 floors can be proposed in the new building. He said that for detailed discussion a joint visit may be conducted on 5th September, 2017 in the office of Managing Director, HRTC with Railway Engineers and MCS. Nodal Officer-Smart City said that all these points should be included in the advance concept note along with loading time of buses during peak hours, as buses would only be allowed to halt in the complex during the defined peak hours; while the area would serve as an open public space for the remaining time. In addition a convergence note for Rs. 20 Cr is also required to be prepared under Railway budget. (Responsibility – Nodal Officer HPBMA/HRTC)

17. Retrofitting area between Mall Road and Lower Bazar:- Nodal Officer-Smart City apprised that this project is being separately taken up by TCP department and will be discussed in detail in the next meeting to be held on 18/09/2017. (Responsibility – Nodal Officer TCP)

18. Development of Natural Springs:- SE(GSWSSC) apprised that already preliminary work under this project has been started. Nodal Officer-Smart City said that the advance concept note on this regard may propose technology options to make this water potable and cost of supplying it to the local households as adequate funding is proposed under this project. **(Responsibility - Nodal Officer MCS - SE GSWSSC)**

19. Development of Safe Shelters across the city:- CPC, MCS informed that a study of safe shelters is being conducted by NIT Hamirpur for MC Shimla. Nodal Officer-Smart City said that the terms of reference for this study may form the basis of the advance concept note for this project. He added that the note may contain suggested list of identified shelters, list and cost of proposed initiative and option of retrofitting of the shelters as required. Accordingly, the advance concept note is also required to be sent to HPSDMA for provision of funds. **(Responsibility - Nodal Officer MCS - CPC)**

20. Cross duct for sewerage and water:- Superintending Engineer, GSWS&SC apprised that the plan for cross duct is ready and the concept note will be prepared accordingly for the entire length of 31 Kms of Circular road and transit corridors. **(Responsibility - Nodal Officer MCS - SE GSWSSC)**

21. Eco-Tourism development:- Nodal Officer-Smart City apprised that selected forest areas will be developed to provide Eco-Tourism infrastructure for increasing the stay of tourists and open spaces to citizens, in view of paucity of parks in the city. The project will include Walking & Cycling trails, Viewpoints, safe Adventure activities and open Water bodies in convergence with 'Van Sarovar Scheme'. In this regard Chief Conservator of Forest informed that there are 3 concepts of eco tourism which can be developed. First, in which tourists will be taken out for site seeing so that they can enjoy the beauty of nature. Second, in which different spots will be identified for picnic and other activities. Third, which may include camping sites, i.e temporary & permanent camping sites.

He inquired whether forest area outside M.C limits can be used for eco-tourism. In this regard Nodal Officer-Smart City informed that as per Smart City Mission guidelines, projects included in SCP cannot be implemented outside M.C area; therefore, Eco-Tourism activities may be proposed in the forest area within MC limits. In this connection, Chief Conservator of Forest said that tenting is not possible in Jakhoo forest but there can be viewpoints in this area and existing paths can be converted to walking trails. He added that tenting can be proposed in Golpahari & Bharari forest area. Further Nodal Officer requested that instead of a capital intensive project in a single area, the project should have a large spread so that it may benefit local residents of different areas of the city.

Chief Conservator of Forest said that for development of Eco-Tourism, cutting of trees and cementing of forest areas is to be avoided. He added that a cycling track can be proposed in Annadale forest or some other suitable location. He inquired that can funds of this project be utilized for Glen Project which is being initiated by Forest Department

as it falls within M.C limits. The tentative expenditure for this project is approx. Rs. 1.60 Cr. out of which funds amounting to Rs. 60.00 lacs are already available. In this regard Nodal Officer-Smart City clarified that the same may be proposed as part of the advance concept note.

It was agreed that various modes of PPP may be proposed under this project to ensure viability and continuity of the projects. It was decided that that the Forest Department may incorporate all aforesaid points in the advance concept note along with area's identified for eco-tourism, estimated costs , drawings, etc. Further Forest Department should coordinate with M.C Shimla as some points have already been identified for green spaces under AMRUT scheme with a convergence amount of Rs 1.7Cr. **(Responsibility - Nodal Officer Forest Dept.)**

22. Development of bus stand at Dhalli, bus parking at New ISBT:- Nodal Officer-Smart City informed that a concept note of this project should be made in such a way that project is viable on PPP mode. **(Responsibility - Nodal Officer HPBMA/HRTC)**

23. Construction of De-composting plant & procurement of garbage compactors:- Nodal Officer-Smart City apprised that a decomposting plant with artificial environment technology will be constructed in the redevelopment area near New Subzi Mandi to recycle organic waste generated at site itself. In addition, to this there is proposal for procurement of 6 garbage compactors to augment the garbage vehicle fleet. He added that the Nodal Officer MCS may determine if the requirement in the field is of Compactors or of other type of garbage collection vehicles and may propose accordingly in the advance concept note. **(Responsibility - Nodal Officer MCS - CHO)**

24. Development of ice-skating rink:- Nodal Officer-Smart City intimated that in Shimla SCP it is proposed that the present ice skating rink will be covered in a glass & concrete structure to provide a 12 months artificial ice skating rink for tourists & locals on the ground floor. The terrace floor will be used as a natural ice skating rink in the winter months and during the remaining period, it will be used for outdoor games such as Volleyball, Basket Ball, etc. Therefore, a convergence note of amounting to Rs. 6.00 Cr. has to be prepared by Deptt. of Youth Services & Sports in coordination with PWD. In this regard, District Sports Officer informed that Shimla Club is running the existing ice skating rink. Further he added that there is ample space for parking in the said area which will make it even more viable on PPP mode.

Nodal Officer-Smart City said that the top floor should be provided free of cost for outdoor games and income can be generated from parking & indoor ice-skating. All these points should be included in the advance concept note along with drawing, specification of flooring used for artificial ice-skating & other sports activity, bifurcation of cost i.e PPP mode and convergence under Urban Sports Infrastructure fund. The Department will also be required to send the proposal to the Ministry for provision of Convergence funding. **(Responsibility - Nodal Officer YS&S Dept.)**

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25. **Urban Renewal Scheme:-** Nodal Officer-Smart City apprised that this project is being separately taken up by TCP department and will be discussed in detail in the next meeting to be held on 18/09/2017. (Responsibility – Nodal Officer TCP)
26. **New Master Plan:-** Nodal Officer-Smart City apprised that this project is being separately taken up by TCP department and will be discussed in detail in the next meeting to be held on 18/09/2017. (Responsibility – Nodal Officer TCP)
27. **Development of Private Sector:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer MCS – EE R&B)
28. **Govt. Building Development including modern Fire Station:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer HPPWD)
29. **Hotel Development:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer HPTDC/Tourism Dept.)
30. **Commercial Space Development –** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer MCS – EE R&B)
31. **Development of Service Apartments:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer HPTDC/Tourism Dept.)
32. **Water supply, sewerage, drainage, rain water harvesting, natural spring:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer MCS – SE GSWS SC)
33. **Construction of Road and Footpath & Streetlights:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer HPPWD)
34. **Electricity, optical fibre & telephone cable:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer HPSEBL)
35. **Installation of Solar Panels including Net Metering:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP department with regard to project no. 26 above. (Responsibility – Nodal Officer HIMURJA)
36. **Development of vending zones in redevelopment area:-** Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017after submission TCP

department with regard to project no. 26 above. (Responsibility - Nodal Officer MCS - EE R&B)

37. Development of open spaces in redevelopment area:- Nodal Officer-Smart City apprised that this project will be discussed in detail on 18/09/2017 after submission TCP department with regard to project no. 26 above. (Responsibility - Nodal Officer MCS - EE R&B)

38. Reconstruction of DDU Hospital including all medical equipments:- Nodal Officer informed that under Shimla SCP it is proposed that the old blocks of DDU hospital will be rebuilt including a Hospice. It is also proposed to equip the hospital with Electronic Health Care System and Smart Cards for patients. Two highly equipped modern ambulances will also be provided to the hospital.

In this regard, Chief Medical Officer inquired whether the old building of DDU can be rebuilt as it is one of the Heritage Building. He added that this building accommodates administrative staff and doctor's residence, therefore how many storey can be proposed in the new building. In this connection JE, AP Branch, M.C Shimla intimated that as per heritage norms, permission for reconstruction of heritage buildings can be given by Heritage Advisory Committee. Further, Nodal Officer-Smart City informed that PWD has norms for construction of hospitals, therefore CMO should submit all their requirements for hospital to PWD so that they can prepare the plan accordingly. The matter of Heritage norms compliance will be dealt with subsequently.

In addition to this advance concept note should also include provision for Hospice which will generate income. Costs and specification of modern ambulances and remote health tracking system are also required to be brought out. A convergence note of amounting to Rs. 20.00 Cr. has to be prepared in coordination with PWD and send the same to Manager Director, National Health Mission for provision of funds. (Responsibility - Nodal Officer Health Dept.)

39. Reconstruction of Govt. High School Krishna Nagar:- Nodal Officer-Smart City informed that Govt. High School Krishna Nagar is proposed to be made into a Model Smart School with smart classrooms and smart infrastructure. It is also proposed that the school be expanded to include a primary wing. In this regard, Additional Director Elementary Education apprised that construction work is already being done by Higher Education Deptt. and State fund for this is already committed.

Nodal Officer requested that a concept note should be prepared which should include specification of all equipments required for smart class rooms/ labs, etc. along with cost of these equipments. In addition, Education Department should coordinate with PWD and work out the cost for construction of additional class rooms for expanding primary wing. Further Additional Director Elementary Education said that there is no vacant space for more construction. In this regard, Nodal Officer-Smart City informed that since the entire redevelopment area will be re-planned, the Department may bring out its space requirement in

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the advance concept note, so that provision for school building and grounds can be made accordingly. (Responsibility - Nodal Officer Education Dept.)

40. Precast hollow block unit to recycle construction debris:- SE GSWSSC informed that appropriate technology is available in this field, which will be brought out in an advance concept note along with costs. (Responsibility - Nodal Officer MCS - SE GSWSSC)

41. Mileage based OPEX Model for buses:- Nodal Officer-Smart City apprised that the Public Transport System of the City will be revamped by adoption of mileage based OPEX model. In this regard Regional Manger, HRTC said that before preparing advance concept note a formal meeting has to be conducted with pvt. bus & taxi operators. In this connection Nodal Officer-Smart City said that meeting may be conducted by HRTC Dept. at their level. He added that advance concept note will also be required to be sent to the Govt. for initiation of requisite amendment in prevalent rules to enable adoption of this type of model. (Responsibility - Nodal Officer HPBMA/HRTC)

42. Hospital Services Management System including remote health monitoring:- Deputy Director, DIT said that in addition to card technology, the Hospital health management system for DDU can also be implemented by registration through mobile number of patients which can also be connected to an App. In addition to above, Nodal Officer-Smart City apprised that DDU hospital shall also have a remote health tracking system, where by the senior citizens who are critically ill, shall be provided a tracker to enable real time monitoring of such patients on a requisite monthly fee.

He added that Health Department may submit all their requirements to DIT who will prepare the advance concept note including requirement of hardware, software, costs of device and cost of data transmission, etc. (Responsibility - Nodal Officer DIT)

43. Smart Parking Solutions:- Nodal Officer-Smart City apprised that a system of sensors connected to a mobile app will provide citizens real time information regarding availability of parking spaces & rates across the city, in both multilevel and on street parkings. Therefore advance concept note which is to be prepared by DIT should include latest technology, estimated cost, etc. (Responsibility - Nodal Officer DIT)

44. Traffic management system:- Nodal Officer-Smart City apprised that the traffic management system will be supported by a network of CCTV cameras and sensor based barriers in restricted/sealed roads which will feed a central control room through a dedicated optical fibre along 31 kms road length. He added that a network of number plate reading cameras will provide the facility of automatic challaning to the police department. Therefore advance concept note which will be prepared by DIT in coordination with police department should include latest technology, estimated cost, etc. (Responsibility - Nodal Officer DIT)

45. Public Transport Management System:- Nodal Officer-Smart City apprised that VTS will be installed in all HRTC buses, private buses & taxis operating within the city. Under this system

the citizens will be provided option of common electronic card ticketing across buses, ropeway taxis and paid lifts/escalators. In addition, availability & timings of public transport on real time basis will be displayed on bus stops and mobile phone app. The system will include additional features on bus stops such as kiosk, charging points and free citizen WiFi. Therefore before preparing advance concept note for this project, DIT should coordinate with transport dept. & HRTC and include all above mentioned features in the advance concept note. **(Responsibility - Nodal Officer DIT)**

46. City wide GIS mapping:- Nodal Officer-Smart City informed that AGISAC has already done detailed GIS mapping for one ward of the city. Similarly GIS map should be prepared for entire city. The map along with cost, additional components, new technology, etc should be included in advance concept note. The GIS system should also be able to be integrated with other Pan City projects i.e. project no. 41 to 50, wherever applicable. **(Responsibility - Nodal Officer AGISAC)**

47. Security through CCTV cameras:- Nodal Officer-Smart City apprised that apart from the CCTV coverage indicated at project no. 44, additional CCTV coverage in commercial areas and identified forest patches will be provided under this project to enhance citizen security in the city. For this DIT will need to coordinate with the police department for preparation of the advance concept note. **(Responsibility - Nodal Officer DIT)**

48. Centralized landslide & fire warning system:- Nodal Officer-Smart City said that DIT should coordinate with Fire Department who will identify the heritage buildings & other important public buildings where fire sensors are required to be installed. In addition to this, DIT should also coordinate with State Geologist for installation of centralized landslide sensors in identified landslide zones of the city. Accordingly advance concept note is required to be prepared. The data from fire and landslide sensors will be monitored in a centralized control room for immediate action. **(Responsibility - Nodal Officer DIT)**

49. Preparation of strategy plan for City branding:- After detailed discussion on this project and feedback of Senior Editor, Information & Public Relation it was decided that the advance concept note of this project would be prepare in three parts. The first part will contain a PR strategy for smart city projects and the second part will contain a strategy for city branding. Advance concept notes of both these parts would be prepared by Department of PR. The third part will contain the advance concept notes for one inter departmental website for common citizen services and another dedicated website for tourists visiting the city. The advance concept note of the third part will be prepared by DIT. **(Responsibility - Nodal Officer DPR & Nodal Officer DIT)**

50. Radio Station:- Nodal Officer-Smart City apprised that a community radio is also proposed which will not only form part of city branding, but will also ensure uninterrupted inter & intra department communication and communication with citizens during disasters. All India Radio should prepare advance concept note which would include hardware requirement, legal

requirement, guidelines for commercial viability, etc. In this regard Programme Executive, All India Radio said that community radio started at Solan is a big success. Therefore a meeting may be convened with representatives of Solan Community Radio & Big FM for incorporation of new ideas in the advance concept note. **(Responsibility – Nodal Officer AIR)**

The Nodal Officer-Smart City requested Nodal Officer-DIT to prepare a **convergence note amounting to Rs. 10.00 Cr. under Digital India Scheme**. In addition to this bifurcation of total cost may be done as per the requirement of each project under PAN-City from Sr. no. 41 to 50.

Sh. Anil Kumar Rana, Geologist pointed out that the land should be investigated before starting construction work in the redevelopment area as it has been identified as a sinking zone. Moreover technology like TBM requires 100 mtr. space, therefore construction of tunnel from this area may not be feasible. In this regard, Nodal Officer requested that requirement for geological investigation of entire redevelopment area may be sent to M.C Shimla including **cost, method of investigation and zoning of investigation at micro level**, so that the soil bearing capacity of each area can be identified before finalizing the development plan by TCP. Nodal Officer-Smart City further requested that all these points should be brought out in the **advance concept note which may be submitted by the Geological department**. He added that in this matter coordination may be done with AGISAC for provision of GIS map of the area and with TCP department for identification of constructible zones with holding capacity. Thereafter, on the basis of geological investigation report, construction of buildings will be accordingly proposed in this area.

The meeting ended with a vote of thanks to and from the chair.



Joint Commissioner-cum-Nodal
Officer for Shimla Smart City,
Municipal Corporation, Shimla

MCS/JC/Smart City/2017- 3741

Dated: 6.09.2017

Copy to:

1. The Additional Chief Secretary (UD)-cum-State Mission Director for information please.
2. The Divisional Commissioner Shimla-cum-Chairman SPV for information please.
3. The Commissioner, M.C Shimla for information please.


Joint Commissioner-cum-Nodal
Officer for Shimla Smart City,
Municipal Corporation, Shimla

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