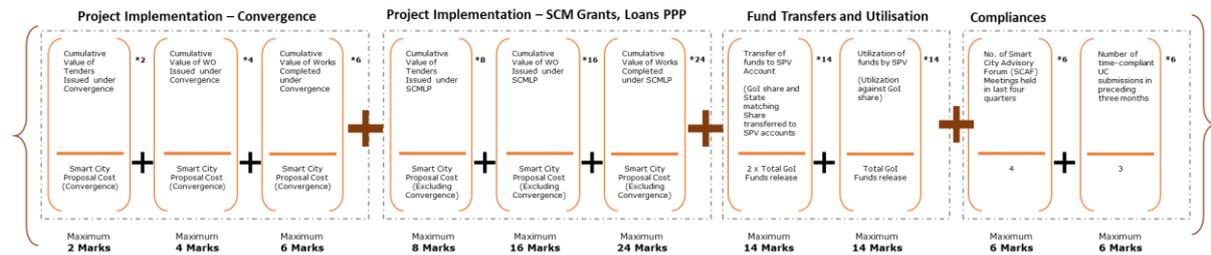


Smart Cities Mission – New Ranking Framework for Smart Cities

RANKING METHODOLOGY



This formula considers the city performance in the areas of (a) 'project implementation', (b) 'fund transfer cum utilization'¹, and (c) mandatory compliances. Project Implementation performance is given 60 percent weightage, performance under fund transfer / utilization is given 28 percent weightage and mandatory compliances are given a weightage of 12 percent. Cities can get a maximum score of 100 marks.

Project Implementation: The projects executed by the Smart City SPV and financed through SCM Grants (central or state share), Loans, own funds / resources transferred to the SPV, innovative finance mechanisms of the SPV, and Public Private Partnerships (PPP) are categorized as 'SCMLP'. 'Convergence' includes all projects that are executed by any authority / organization other than the Smart City SPV and financed through funds from other government departments (central/ state/ city level) or other schemes of the Central or State Government. For clarification, projects funded from sources other than SCMLP will be considered as a 'Convergence' project if it is NOT implemented by the Smart City SPV or an agency appointed by it.

For the purpose of assessing the project implementation performance, the value of SCMLP projects (tendered, work started or work completed) is measured against SCP value (excluding convergence) and the value of 'Convergence' projects (tendered, work started and work completed) is measured against corresponding investments under SCP, as defined above.

Projects implemented in convergence with Missions/Programs/Schemes of other government departments (Centre/State/City-level) are integral to Smart Cities Mission in view of the fact that about 21 percent of total project outlay² under the Mission is met from such sources. However, the success of the Mission largely depends on how well the Cities have utilized the funds disbursed as Grants to bring about the envisaged outcomes as per Smart City Plans, how effective the Cities were in leveraging additional project funds through Loans, innovative finance mechanisms, own funds / raising resources from other sources, and implementing PPP projects. Accordingly, while measuring project implementation performance, SCMLP projects are given a higher weightage over Convergence projects and in the ratio of 80:20. Therefore, out of the maximum 60 marks assigned for project implementation, SCMLP and 'Convergence' are assigned with a maximum of 48 marks and 12 marks respectively. Further, under these two categories, the project implementation milestones viz., Tendered, Work Order Issued and Completed are assigned the weightage in the ratio of 1:2:3, with higher weightage being given to work completion over tendering.

A city which tenders out all the SCMLP projects will secure a score of maximum up to 8 marks. As soon as all the tenders are settled for these projects and work orders are issued, city can secure an additional score of maximum up to 16 marks. Cities need to ensure following mandatory compliance to avail marks earmarked for work order issued projects.

- Mandatory geo-tagging for all the work order issued and completed projects. The data of geo-tagged projects will be linked with the online MIS and the uploaded photographs will be correlated with the project milestone status and percentage of physical and financial progress

¹ The responsibility of fund transfer to Smart City SPV Account is with concerned State Government, however, the non-transfer of either GOI release or the matching State/ULB share to Smart City SPV Account will impact the ranking of concerned Cities.

² Based on analysis of Smart City Plans submitted by 100 Cities, the major sources of funding include Convergence (21%), Grants-Central & State (48%), Loans (5%) and Own Sources/Others (8%)

reported on each project. In case a work ordered / completed project is not geo-tagged, or a geo-tagged project is not updated, then it will not be considered for ranking.

Completion of all the SCMLP projects ensures an additional score up to a maximum of 24 marks, with the city securing the allocated maximum of 48 marks. The formula considers the cumulative value of tendered, work started or completed SCMLP projects measured against SCP Cost (excluding Convergence).

Similarly, a city which tenders out all the 'convergence' projects will secure a score of maximum up to 2 marks. As soon as all these projects get the work orders issued, city secures additional score of maximum up to 4 marks. Geo-tagging of all work order issued projects is mandatory. Completion of all the 'convergence' projects ensures an additional score up to a maximum of 6 marks, with the city securing the allocated maximum of 12 marks. The formula considers the cumulative value of tendered, work started or completed Convergence projects measured against SCP Cost (only Convergence).

Fund Transfer & Utilization: City Performance is assessed for a total 28 marks, with a maximum of 14 marks each for performance in the areas of (i) Transfer of GOI release and State/ULB Matching Share to SPV account, (ii) Fund Utilization of GOI release by SPV. To avail maximum 14 marks for Fund Utilisation, Smart Cities shall ensure 100% Utilisation of GOI release, with submission of valid Utilisation Certificates to Ministry, and a soft copy of UC uploaded in the online MIS.

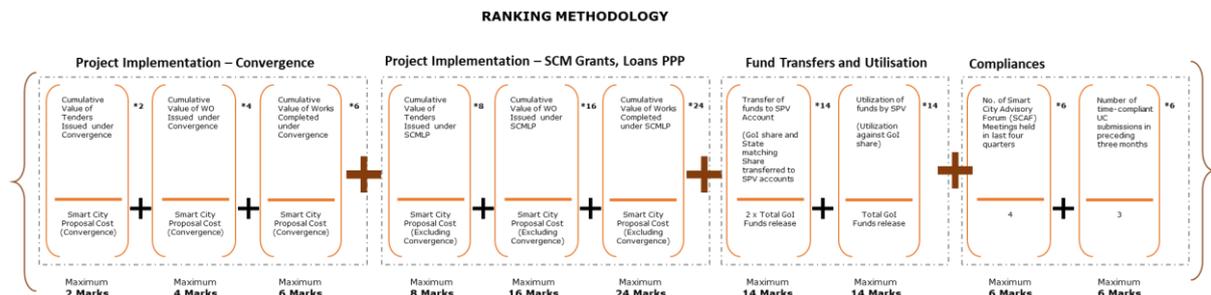
Mandatory Compliances:

(1) Smart Cities are required to organize a Smart City Advisory Forum (SCAF) meeting in each quarter of the year. Henceforth, the Ministry proposes to monitor the conduct of these meetings. Smart Cities are required to provide details of date of SCAF meeting and upload the approved minutes of meeting for the same in the 'new fields' that will be created in the online MIS (in the institutional details section) for this purpose. Cities can avail a maximum of 6 marks, by meeting this compliance for four preceding quarters, failing which the cities will lose marks.

(2) Smart Cities are required to submit the monthly utilization certificates on or before 10th day of the subsequent month. Henceforth, the Ministry proposes to monitor the timely submission of utilization certificates and consider including the same in New Ranking framework. Smart Cities will be required to upload the utilization certificates in the 'new fields' that will be created in the online MIS (in the project monitoring section). Cities can avail a maximum of 6 marks, by meeting this compliance for three preceding months, failing which the cities will lose marks.

How is the Scoring done?

Scoring is done as per the following formula



Project Implementation Score = maximum 60 marks

Input Data: Fixed values of SCP Cost (excluding convergence) and SCP Cost (Only Convergence) are mapped to each of the 100 Smart Cities based on their approved SCP Cost. The values of SCMLP and 'Convergence' projects at various implementation milestones are obtained from the online project MIS based on data inputs from 100 Smart Cities.

Definitions of Variables used:

#	Variable	Definition
1	Convergence Projects	'Convergence' includes all projects that are executed by any authority / organization other than the Smart City SPV and financed through funds from other government departments (central/ state/ city level) or other schemes of the Central or State Government.
2	SCMLP Projects	The projects executed by the Smart City SPV and financed through SCM Grants (central or state share), Loans, own funds / resources transferred to the SPV, innovative finance mechanisms of the SPV, and Public Private Partnerships (PPP) are categorized as 'SCMLP'.
3	Cumulative value of tenders issued (Convergence)	Value of live tenders (convergence) + value of work orders issued (convergence) + value of completed projects (convergence)
4	Cumulative value of works started (Convergence)	Value of work orders issued (convergence) + value of completed projects (convergence)
5	Value of works completed (Convergence)	Value of works completed (Convergence)
6	Cumulative value of tenders issued (SCMLP)	Value of live tenders (SCMLP) + value of work orders issued (SCMLP) + value of completed projects (SCMLP)
7	Cumulative value of works started (SCMLP)	Value of work orders issued (SCMLP) + value of completed projects (SCMLP)
8	Value of works completed (SCMLP)	Value of works completed (SCMLP)

Financial Score = maximum 28 marks

Following four indicators are measured for each city

- i. % of funds (GOI release + State/ULB matching share) as a ratio to twice of GOI release transferred to SPV account (Max. 14 marks)
- ii. % of GOI release utilized by SPV and Utilization Certificate submitted (Max.14 marks)

Mandatory Compliances = maximum 12 marks

Following four indicators are measured for each city

- i. Successful conduct of at least four SCAF meetings in last four quarters (Max. 6 marks)
- ii. Compliance to timely submission of monthly Utilisation Certificates in preceding three months (Max.6 marks)

Total Score = maximum 100 marks

Total Score of the City = Score obtained by city for Project Implementation Performance + Score obtained by the city for Financial Parameters + Score obtained by the city for Mandatory Compliances.

ILLUSTRATIVE EXAMPLE – City ABCD

Ref.	Input Parameter	Unit	Data	Data Source
	State Name	Text	State XYZ	
	City Name	Text	City ABCD	
	City Population	Number	00000000	Census 2011
A	Smart City Proposal (SCP) Cost	Rs. Crore	1500	From approved SCP
B	SCP Cost by Funding Sources (Convergence)	Rs. Crore	130	From approved SCP
C	SCP Cost by Funding Sources (SCM grant, Loan and PPP) = (A) minus (B)	Rs. Crore	1370	From approved SCP
PROJECT PROGRESS				
P	Cumulative Value of tendered projects (funded through convergence)	Rs. Crore	2300	From MIS
Q	Cumulative Value of work order issued projects (funded through convergence)	Rs. Crore	1700	From MIS
R	Value of completed projects (funded through convergence)	Rs. Crore	50	From MIS
S	Cumulative Value of tendered projects (funded through SCMLP)	Rs. Crore	890	From MIS
T	Cumulative Value of work order issued projects (funded through SCMLP)	Rs. Crore	890	From MIS
U	Value of completed projects (funded through SCMLP)	Rs. Crore	0	From MIS
(q)	Cumulative Value of Financial Progress on Work Order Issued Projects (Convergence)	Rs. Crore	450	From MIS
(t)	Cumulative Value of Financial Progress on Work Order Issued Projects (SCMLP)	Rs. Crore	335	From MIS
FINANCIAL PROGRESS				
D	GOI Release (for identified city)	Rs. Crore	294	Based on GOI data updated in online MIS
E	Funds transferred to SPV Account (GOI release + State/ULB Matching Share) = (E) = (e1) +(e2)	Rs. Crore	490	Based on online MIS
(e1)	GOI release transferred to SPV Account (by state government)	Rs. Crore	294	Based on online MIS
(e2)	State/ULB matching share transferred to SPV Account (by state government)	Rs. Crore	196	Based on online MIS
F	Funds utilised by SPV = (F) = (f1) + (f2)	Rs. Crore	130	Based on UC submitted and online MIS
(f1)	Utilisation of GOI release	Rs. Crore	130	Based on UC submitted
(f2)	Utilisation of State/ULB matching share	Rs. Crore	0	Based on UC submitted and online MIS
MANDATORY COMPLIANCES				
G	Number of SCAF Meetings held in the last four quarters	Number	3	New field in MIS to submit SCAF details
H	Threshold value for number of SCAF meetings envisaged in the last four quarters	Number	4	Benchmark
J	Number of time compliant monthly UC submissions in the previous three months	Number	3	New field in MIS to submit UC online
K	Threshold value for compliance on monthly UC submissions in the previous three months	Number	3	Benchmark

SCORING

		Computation -1
X1	Project Implementation Score – Convergence	= [(P*2)/B] + [(Q*4)/B] + [(R*6)/B]
X2	Project Implementation Score - SCMLP	= [(S*8)/C] + [(T*16)/C] + [(U*24)/C]
Y1	Fund Transfer Score	= [E *14/ (2*D)]
Y2	Fund Utilisation Score	= [f1*14 / D]
Z1	Mandatory Compliance-1 on SCAF meetings	= [(G*6)/H]
Z2	Mandatory Compliance-2 on Monthly UC submissions	= [(J*6)/K]
	TOTAL SCORE	= X1 +X2 +Y1 +Y2 + Z1 +Z2

City ABCD_Datasheet 01

Project ID	Project Name	Cost as per Work Order (Rs. Crore)	Physical Progress (%)	Financial Progress (Rs. Crore)	Utilization (%)	Implementation Milestone	SCM	Loan	PPP	Convergence	Own Sources	Others
XX-YY-01	Development of Land in XXX area	9	1	4	44.4%	Work Order Issued	9	0	0	0	0	0
XX-YY-02	Non Motorized Transport	175	1	65	37.1%	Work Order Issued	175	0	0	0	0	0
XX-YY-03	Water Supply Project 1	36	27	15	41.7%	Work Order Issued	36	0	0	0	0	0
XX-YY-04	Sewarage Project	60	1	20	33.3%	Work Order Issued	60	0	0	0	0	0
XX-YY-05	Storm Water Drainage	45	1	15	33.3%	Work Order Issued	45	0	0	0	0	0
XX-YY-06	Integrated Command Control Center	160	12	30	18.8%	Work Order Issued	160	0	0	0	0	0
XX-YY-07	Convention Centre	400	20	56	14.0%	Work Order Issued	0	0	0	0	0	400
XX-YY-08	Construction of XXX Bldg	100	70	60	60.0%	Work Order Issued	0	0	0	0	0	100
XX-YY-09	Public Bicycle Sharing	45	50	5	11.1%	Work Order Issued	0	0	0	22	0	23
XX-YY-10	Civic Building	190	18	20	10.5%	Work Order Issued	0	0	0	0	0	190
XX-YY-11	Smart Road Project 1	40	32	10	25.0%	Work Order Issued	0	0	0	0	0	40
XX-YY-12	Smart Road Project 2	165	15	8	4.8%	Work Order Issued	0	0	0	0	0	165
XX-YY-13	Smart Road Project 3	90	0	5	5.6%	Work Order Issued	0	0	0	0	0	90
XX-YY-14	ABCD Park	50	90	30	60.0%	Work Order Issued	0	0	0	0	0	50
XX-YY-15	XXXX Bhavan	165	36	55	33.3%	Work Order Issued	0	0	0	0	0	165
XX-YY-16	Rejuvenation of XXXX river	90	98	86	95.6%	Work Order Issued	0	0	0	0	0	90
XX-YY-17	ABCD Pond Rejuvenation	11	100	11	100.0%	Work Completed	0	0	0	0	11	0
XX-YY-18	Stadium at XYZ	40	100	40	100.0%	Work Completed	0	0	0	0	40	0
XX-YY-19	Urban Market Place at XXX	18	55	12	66.7%	Work Order Issued	0	0	0	0	0	18
XX-YY-20	Beautification of XXXX Pond	14	30	9	64.3%	Work Order Issued	0	0	0	0	0	14
XX-YY-21	Electric Transmission Lines	226	15	110	48.7%	Work Order Issued	226	0	0	0	0	0
XX-YY-22	Street Lighting for RSC (ABD Site)	16	1	5	31.3%	Work Order Issued	16	0	0	0	0	0
XX-YY-23	Construction power arrangement	4	0	1.5	37.5%	Work Order Issued	4	0	0	0	0	0
XX-YY-24	Shifting of Electric Lines	18	35	10	55.6%	Work Order Issued	18	0	0	0	0	0
XX-YY-25	Power Distribution Infrastructure	130	1	50	38.5%	Work Order Issued	130	0	0	0	0	0
XX-YY-26	Water Supply Project 2	290	21	40	13.8%	Work Order Issued	0	0	0	290	0	0
XX-YY-27	Water Supply Project 3	10	80	10	100.0%	Work Order Issued	10	0	0	0	0	0
	Total Project Cost	2597		782.5			889	0	0	312	51	1345
							30%					