

GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS
RAJYA SABHA
UNSTARRED QUESTION NO. 1974
TO BE ANSWERED ON AUGUST 07, 2023

PROJECTS UNDER SMART CITIES MISSION IN VISAKHAPATNAM

NO. 1974. SHRI G.V.L. NARASIMHA RAO:

Will the Minister of *Housing and Urban Affairs* be pleased to state:

- (a) list of all projects sanctioned under Smart Cities Mission in Visakhapatnam;
- (b) description of each of approved 61 projects like description, funds allocated and utilised, completion status, reasons for delay, if any, individual project-wise;
- (c) fund sanctioned for development or renovation of Visakhapatnam Metropolitan Region Development Authority (VMRDA)(VUDA) Park on Beach Road, utilisation and type of works undertaken;
- (d) fund sanctioned for construction of indoor sports arena in Muvvala Vani Palem (MVP) colony and multi level car parking at Jagadamba Junction, utilisation and project description; and
- (e) complaints received regarding misuse of funds under Smart Cities Mission and details of action taken thereon?

ANSWER

THE MINISTER OF STATE IN THE
MINISTRY OF HOUSING AND URBAN AFFAIRS
(SHRI KAUSHAL KISHORE)

(a) & (b) : Government of India launched the Smart Cities Mission (SCM) on 25 June 2015. 100 cities have been selected for development as Smart Cities through 4 rounds of competition from January 2016 to June 2018. 4 cities in the State of Andhra Pradesh i.e., Amaravati, Kakinada, Tirupati & Visakhapatnam have been selected for development as Smart Cities. The details of projects of Visakhapatnam Smart City is given in Annexure-I.

(c) : Visakhapatnam Metropolitan Region Development Authority (VMRDA)(VUDA) Park is spread across 33 acres in three zones. The park is being developed as a Smart Park for people of all age groups. Recreational features such as nature trail, cycle track, landscaping with herbal plants, exclusive multipurpose lawn with yoga circle, food courts, exclusive sports area - Badminton, Tennis & Basketball courts, children's play zone, outdoor gym area, revival of boating facility, all ability entrance and enhanced parking facilities. As on 31 July 2023, ₹ 30.76 crore have been spent on the project.

(d) : Visakhapatnam Smart City has also developed an Indoor Sports Arena in Muvvala Vani Palem (MVP) colony in an area of 4776 Sq.m. with a built-up area of 2540 Sq.m having retractable seating capacity for 294 persons. It has indoor facilities like Basketball, Badminton, Volleyball, Half Olympic size Swimming Pool, Kids Pool, Outdoor Gym, Children's Play Area, Dormitories, Board game room, Jogging Track etc. As on 31 July, 2023 ₹ 21.89 crore has been spent on the project.

A multi-level Semi-automatic Car Parking at Jagadamba Junction has been developed by the Smart City in an area of 368 Sq.m. having capacity of 100 cars. The project aims at decongesting Jagadamba market area by reducing on street parking thus enabling safe, secure and efficient vehicular circulation. As on 31 July 2023, ₹ 10.14 crore has been spent on the project.

(e) : As implementation of SCM is done by Special Purpose Vehicles (SPVs) jointly owned by respective State Governments & Urban Local Bodies, complaints/grievances, whenever received, are communicated to the respective State Governments/SPV for appropriate action, as deemed fit. In some cases, Ministry of Housing & Urban Affairs (MoHUA) also conducts third-party evaluation.

Annexure-I in reply to Parts (a) & (b) of Rajya Sabha Unstarred Question No. 1974 for answer on 7.8.2023 regarding Projects under Smart Cities Mission in Visakhapatnam asked by Shri G.V.L. Narasimha Rao, Hon'ble MP.

Details of projects of Visakhapatnam Smart City

(Amount in ₹ Crore)

S.No	Project	Amount	Utilization	Description	Status
System Integrator (COC)					
1	e-Gov + Disaster Management System	196.84	180.94	Establishment of Command and Control centre with integration of e-Governance Modules, Smart Devices/applications such as Smart Poles, Smart Sensors (Environmental Sensors/Vehicle Tracking GPS unit), Surveillance, Emergency Call box, Public announcement, Solid waste management, Traffic Signals and Integration with other application for seamless functions. ICCC to act as Disaster Management Centre during Emergency.	Installation works completed O&M for 5 years in progress. O&M Started 01-11-2018 O&M Completion 31-10-2023
2	Smart Poles (50 Nos)				
3	Smart Sensors (Environmental Sensors/Vehicle Tracking GPS unit)- 50 Nos				
4	Smart Bins				
5	Smart GPS based Buses and Bus stops (100 buses & 50 bus stops)				
6	Smart Signalling, traffic & cctv Surveillance (10 RLVD signals, 500 cameras)				
6A	Traffic Signals(50)	1.73	1.73		
6B	GIS Application + Infrastructure + Online				
Solar projects					
7	2 MW Solar Floating Power Plant on Mudasarlova Reservoir - 5 Years operations & maintenance	13.71	13.59	Floating Solar Plant project - Efficient use of water bodies surface for renewable energy generation. <ul style="list-style-type: none"> • 3613.5 MWh of Electricity Generated/Year. • Significant savings in Electricity Bills every Year. • 3,080 Tons of CO2 Emissions Avoided/Year. • 1,540 Tons of Coal saved/Year. • Environmental Impact of this Plant is Equivalent to 1,38,600 mature trees. • Spread over an area of 4.4 acres. • Improve water quality and cut maintenance costs due to reduced sunlight penetration and potential reduction in algae growth. 	Installation Completed. O&M for 5 years in progress. O&M Started 01-09-2018 O&M Completion 31-08-2023
8	Solar Roof Top on GVMC Buildings (12 Locations) - 1.68 MW Including 5 years O & M	8.43	8.36	Solar Roof Top - 1.68 MW <ul style="list-style-type: none"> • A sustainable power supply that is reliable, affordable and safe. • Utilization of unused space to generate electricity. • Reduction of carbon footprint. • Reduction in Electricity bills. • Solar carport structure (On Grid System) in parking area at GVMC head office which would generate electricity and will also provide shade to the vehicles parked below. 	Installation & O&M for 5 years completed. O&M Started 10-03-2018 O&M Completion 09-03-2023
9	Solar Roof Top on GVMC Schools-144 Schools- TSR Admin Building(14Kw)- Including 5 years O & M	1.25	1.24	Rooftop SPV Plants on 144 GVMC Schools Project <ul style="list-style-type: none"> • Utilization of the unused space for generation of electricity. • 0.215 MW (i.e.; 215 kW) capacity of Rooftop Solar Power Plant installed 	Installation completed.

S.No	Project	Amount	Utilization	Description	Status
				<ul style="list-style-type: none"> and commissioned. • Reduction in Carbon dioxide (Tons/year) = 301 • Environmental Impact of this Plant is Equivalent to 13,545 mature trees. • 151 Tons of Coal saved/Year. 	
10	Solar Street Lighting from The Park Hotel to Kurupam Circle in Beach road 6 m Height poles 90 Nos. 44Watts 4 m Height poles 50 Nos. 25Watts 5 Years Operation & Maintenance	2.82	2.74	<ul style="list-style-type: none"> • Converting conventional street lights into self-sustaining standalone solar street lights, which offsets the costs related to activities like trenching, procurement & laying of power cables etc • 6 m Height poles 90 Nos. 44Watts • 4 m Height poles 50 Nos. 25Watts 	Installation & O&M for 5 years completed. O&M Started 06-10-2018 O&M Completion 05-10-2023
11	Solar Street Lighting from Coastal Battery junction to The Park Hotel in Beach road 6 m Height poles 290 Nos. 44Watts 4 m Height poles 150 Nos. 25Watts 5 Years Operation & Maintenance	8.72	8.43	<ul style="list-style-type: none"> • Converting conventional street lights into self sustaining standalone solar street lights, which offsets the costs related to activities like trenching, procurement & laying of power cables etc • 6 m Height poles 290 Nos. 44Watts • 4 m Height poles 150 Nos. 25Watts 	Work Completed O&M for 5 years in progress. O&M Started 18-04-2018 O&M Completion 17-04-2023
12	Solar Power Plant of capacity 1.0 MW at Mudasarlova	6.16	5.98	<ul style="list-style-type: none"> • Ground Mount SPV Plant with Automated Single Axis Tracking System. • 1987.4 MWh of Electricity Generated/Year. • Significant savings in Electricity Bills for every Year. • 1,694 Tons of CO2 Emissions Avoided/Year. • 847 Tons of Coal saved/Year. • Environmental Impact of this Plant is Equivalent to 76,230 mature trees. • Spread over an area of 4.5 acres. 	LTOA (Long Term Open Access) agreement concluded on 03-02-2021. O&M for 10 years in progress. O&M Started 03-02-2021 O&M Completion 02-02-2031
13	Solar Power Plant of capacity 1.5 MW at Krishnapuram	8.78	7.65	<ul style="list-style-type: none"> • Ground Mount SPV Plant with Automated Single Axis Tracking System. • 2981.1 MWh of Electricity Generated/Year. • Significant savings in Electricity Bills for every Year. • 2,541 Tons of CO2 Emissions Avoided/Year. • 1,271 Tons of Coal saved/Year. • Environmental Impact of this Plant is Equivalent to 1,14,345 mature trees. • Spread over an area of 6 acres. 	LTOA (Long Term Open Access) agreement concluded on 03-02-2021. O&M for 10 years in progress. O&M Started 03-02-2021 O&M Completion 02-02-2031
14	Solar Street Lights in ABD area (2328 lights)	22.82	15.65	<ul style="list-style-type: none"> • Converting conventional streetlights into self-sustaining standalone solar streetlights, which offsets the costs related to activities like trenching, laying of power cables, restoration etc. • Approximately, 2135 numbers of 20 W and 193 numbers of 40 W existing streetlights shall be replaced by all-in-one solar streetlights in ABD Area. 	Installation Completed O&M Started 01-04-2023 O&M Completion 31-03-2028
Schools - Smart Classrooms					
15	Smart Class Room (E-	1.17	1.17	Procurement, Installation and	Installation Completed.

S.No	Project	Amount	Utilization	Description	Status
	Learning) - 6 Schools - Integrated projector - Interactive Board - Chrome Books - Benches & Chairs -UPS backup - Coordinator for each school for hand holding - 3 Years O&M Period			Maintenance of Chrome Book, Chrome Management console, White Board, Multimedia Content, Wireless Router, Chrome cart, HD Webcam etc., for Modernizing 6 GVMC schools transforming them as “Smart Campus” with a focus on implementing “Smart Digital Classrooms” Through Digital Learning under AP Board Syllabus.	O&M for 3 years completed. O&M Started 08-09-2017 O&M Completion 07-09-2020
16	Smart Class Room (E-Learning) - 25 High schools - Integrated projector - Interactive Board - Chrome Books - Benches & Chairs -UPS backup - Coordinator for each school for hand holding -3 Years O&M Period	6.38	6.38	Procurement, Installation and Maintenance of Chrome Book, Chrome Management console, White Board, Multimedia Content, Wireless Router, Chrome cart, HD Webcam etc., for Modernizing GVMC 25 schools transforming them as “Smart Campus” with a focus on implementing “Smart Digital Classrooms” Through Digital Learning under AP Board Syllabus.	Installation Completed. O&M for 3 years completed. O&M Started 10-02-2018 O&M Completion 09-02-2021
17	Providing projector units to Class Rooms (150 class rooms in 27 High schools) - Integrated projector - Interactive Board - Benches & Chairs -UPS backup - 3 Years O&M Period	3.08	3.08	Procurement, Installation and Maintenance of Chrome Book, Chrome Management console, White Board, Multimedia Content, Wireless Router, Chrome cart, HD Webcam etc., for Modernizing GVMC 150 Class rooms in 27 high schools transforming them as “Smart Campus” with a focus on implementing “Smart Digital Classrooms” Through Digital Learning under AP Board Syllabus.	Installation completed. O&M for 3 years in progress. O&M Started 19-12-2017 O&M Completion 18-12-2020
18	Installation of Digital Classroom labs in 77 GVMC schools	9.06	7.50	Procurement, Installation and Maintenance of Chrome Book, Chrome Management console, White Board, Multimedia Content, Wireless Router, Chrome cart, HD Webcam etc., for Modernizing GVMC 77 schools transforming them as “Smart Campus” with a focus on implementing “Smart Digital Classrooms” Through Digital Learning under AP Board Syllabus.	Installation completed O&M for 3 years in progress. O&M Started 01-04-2020 O&M Completion 31-03-2023 O&M is getting extended due to Shortfall of Period in covid
19	Digital Class rooms in Anakapalle and Bheemili (42 Schools)	5.13	4.14	Procurement, Installation and Maintenance of Chrome Book, Chrome Management console, White Board, Multimedia Content, Wireless Router, Chrome cart, HD Webcam etc., for Modernizing GVMC 42 schools transforming them as “Smart Campus” with a focus on implementing “Smart Digital Classrooms” Through Digital Learning under AP Board Syllabus.	Installation completed O&M for 3 years in progress. O&M Started 01-04-2020 O&M Completion 31-03-2023 O&M is getting extended due to Shortfall of Period in covid
Schools - Smart Campus					
20	Smart Campus KDPM school	1.28	1.11	Improvement of Building Elevation Improvement of Play Ground by providing Volley Ball / Kabadi Court and multiplay Badminton Court Reading / Outdoor learning area and multi play area Improvement of Toilets and other physical infrastructure in School	Work completed.
21	Smart Campus Chinnawaltair -II	1.37	1.37	Improvement of Building Elevation Min. Cricket Pitch	Work completed.

S.No	Project	Amount	Utilization	Description	Status
				Improvement of play ground by providing volleyball court and kabaddi court. Kids Play equipment	
22	Smart Campus Jalaripeta Primary school	0.85	0.76	Improvement of Building Elevation Kids Play equipment Improvement of Toilets and other physical infrastructure in School Multi-Purpose Play Court with EPDM flooring Lawns	Work completed.
23	Construction of 2 additional rooms in first floor and balanced works in Chinna Waltair 1 school	0.36	0.23	Constructed 2 additional rooms Development of Building Elevation Retrofitting of Toilets Play equipment Multi-Purpose Play Court with EPDM flooring	Work completed.
24	Dandu bazar GVMC School building	4.65	4.22	Construction of new building with stilt+G+2 floors having 18 rooms (i.e. 6 class rooms per floor) each room having an area of 5.9m x 5.7m including all amenities. Plinth area – Stilt Floor - 4715 S.ft., Ground Floor - 4715 S.ft., First Floor - 4715 S.ft. & Second Floor - 4715 S.ft. Toilets for boys & girls Green boards Electrical & plumbing works Provision for projector to enable smart classroom in future Enhance public safety & security	Work completed
Open Spaces & Parks					
25	All ability park opposite YMCA Play equipment for children of all abilities	3.54	3.27	Development of Existing All ability Park Opposite YMCA as a Smart Park <ul style="list-style-type: none"> • Universal Accessible Design • Ship Play Structure • Steel Bridge <ul style="list-style-type: none"> • Provided Accessible Play equipment for persons with All Abilities • Play mound with tunnel crawling play equipment • Climbing net, Multi play equipment including slides, Shoulder Builder, Leg Roller, Merry go round, Drum play, Musical panels, Benches/Seating areas, Realigned pathway & Optimized the usable park space • Landscape 	Work completed.
26	Chinnawaltair children's park Multi purpose court Kids Play area Greenary development	0.38	0.30	Development of Existing Chinnawaltair Children's Park as Smart Park <ul style="list-style-type: none"> • Children's Play Area with EPDM flooring • Play Equipment <ul style="list-style-type: none"> • Multi Sports Court (Badminton/Half Basket Ball court) with EPDM flooring • Entrance Plaza with Pergola • Multipurpose Lawn • Landscaping, etc 	Work completed.
27	Chinnawaltair Colony park Volleyball court Kids play area Walking Track	0.99	0.86	Development of Existing Chinnawaltair Colony Park as Smart Park <ul style="list-style-type: none"> • Kids play areas with EPDM flooring • Multi Sports Courts (Volleyball court) with EPDM flooring 	Work completed.

S.No	Project	Amount	Utilization	Description	Status
				<ul style="list-style-type: none"> • Pergola • Play equipment • Compound wall with Grills • Bio-Toilet • Landscaping • Watchmen Quarter 	
28	Retrofitting of Existing park at Dutch Apartment, in ABD area Walk way Multi Purpose Court Kids Play area Greenary	0.48	0.45	Development of park near Dutch Apartments in beach road as a Smart Park <ul style="list-style-type: none"> • EPDM flooring for multipurpose sports. • Tactile Flooring. • Flooring Broken Ceramic Tiles. • Compound Wall with Artistic Painting • Planting of Trees and Shrubs • Installation of 2 Seater Swing Rubber Belt, etc 	Work completed.
29	Retrofitting of Existing park at Vijayanagar palace in ABD area Walkway Kids Play area Stage Greenary	1.05	0.94	Development of Vijayanagar Palace Layout Park as a Smart Park <ul style="list-style-type: none"> • EPDM flooring for multipurpose sports. • Inter Locking Paver Flooring • Hot Dip Galvanised Steel for Gate and Grills. • Compound Wall with Artistic Painting • Planting of Trees and Shrubs • Installation of 2 Seater Swing Rubber Belt. • Standard Slide. • Light Poles and Fixtures • Retrofitting to the existing Stage. 	Work completed.
30	Development of Open space - Opposite to KDPM school	0.11	0.09	Development of Park in Existing Open space near KDPM School as a Smart Park <ul style="list-style-type: none"> • Paver Blocks flooring • Play Equipment (2 Seater Swing) • Gate and Hand Rails • Tree and Shrubs • Installation of external free standing Rubbish Bins. • Electrical Poles and Lighting 	Work completed.
31	Development of Open space - Rockdale layout	0.24	0.13	Development of park in the existing open place of Rockdale Hotel <ul style="list-style-type: none"> • Paver Blocks flooring • Play Equipment (2 Seater Swing) • Provided Gate and Hand Rails • Benches • Tree and Shrubs • Installation of external free standing Rubbish Bins. • Electrical Poles and Lighting • EPDM flooring 	Work completed.
32	Development of Open space - Pedawaltair ward office	0.56	0.47	Development of Ward office Park Pedawaltair as a Smart Park <ul style="list-style-type: none"> • EPDM flooring for multipurpose sports. • Inter Locking Paver Flooring • Provided Gate and Grills. • Compound Wall with Artistic Painting • Planting of Trees and Shrubs • Installation of 2 Seater Swing Rubber 	Work completed.

S.No	Project	Amount	Utilization	Description	Status
				<ul style="list-style-type: none"> Belt. • Multiactivity Play system. • Leg Roller • Light Poles and Fixtures 	
33	Development of park adjacent to fresh choice in waltair main road	0.06	0.04	Development of Waltair main road Park adjacent to Fresh choice as a Smart Park <ul style="list-style-type: none"> • Inter Locking Paver Flooring • Stepping Stones • Planting of Lawn, Trees and Shrubs • Light Poles and Fixtures 	Work completed.
34	Development of Open spaces - Gangapur layout	0.49	0.32	Beautification and Development of Gangapur Layout park near Circuit House as a Smart Park <ul style="list-style-type: none"> • EPDM flooring for multipurpose sports. • Polished Granite Slabs for benches. • Inter Locking Paver Flooring • Provided Gate and Grills. • Soft scape - Lawn area, Trees and Shrubs <ul style="list-style-type: none"> • free standing Rubbish Bins. • Open gym equipment • Light Poles and Fixtures • Providing Toilets for Male and Female • Retrofitting to the existing Stage. • Providing Store room, Public addressing System 	Work completed.
35	Retrofit of VUDA Park	33.50	30.76	Retrofitting of VMRDA(VUDA) Park as a Smart Park <ul style="list-style-type: none"> • Spread over in 33 acres - developed in 3 Zones creating recreational facilities for all age groups • Nature Trail for Walkers and BMX Cycle Track for cycling enthusiasts. • Landscaping with Herbal Plants, shady trees and variety of species of flower plants. • One exclusive multipurpose lawn with yoga circle. <ul style="list-style-type: none"> • Demarked Food Courts. • Exclusive Sports Area - Badminton, Tennis & Basket Ball Courts for public. • Children's Play Zone - various types of play equipment for children. • Outdoor Gym Area- various types of outdoor gym equipment for public use. <ul style="list-style-type: none"> • Refurbishing of boating facility. • Sprawling all ability entrance. • Enhanced parking facility for two & four wheelers. 	Work & O&M for 2 years is completed. O&M Started 01-04-2021 O&M. Completion 31-03-2023
36	Development of Open spaces/Social Infrastructure - Oota gedda	3.45	1.11	Beautification and development of area surrounding to Ootagedda drain <ul style="list-style-type: none"> • Spread over in 1.77 acres creating recreational facilities like yoga corner, gym equipment etc. <ul style="list-style-type: none"> • Buffer Plantation • Covering of gedda for Crossing from one side to the other <ul style="list-style-type: none"> • Chain link Fencing • 2.00m wide Pathways • Toilets 	Work completed O&M Started 01-04-2023 O&M Completion 31-03-2025

S.No	Project	Amount	Utilization	Description	Status
Safety & Security					
37	RFP for installation of gap elements / Devices on 50 smart poles	4.91	4.68	Installation of gap elements / Devices on 50 smart poles which includes Emergency Call box, Public announcement system and CC TV Surveillance	Intallation work Completed. O&M for 5 years in progress. O&M Started 01-03-2020 O&M Completion 28-02-2025
38	RFP for installation of Adaptive Traffic signals at 50 junctions	8.90	7.06	Providing adaptive Traffic Signals at 50 Junctions	Intallation work Completed. O&M is in Progress O&M Started 15-05-2021 O&M Completion 14-05-2026
Social Infrastructure					
39	Vending Kiosks/Dedicated Hawker zones	0.47	0.23	Providing Vending Kiosks/Dedicated Hawker zones on pilot basis at 10 Locations	Work completed. O&M 5 Years is in progress O&M Started 01-06-2021 O&M completion 31-05-2026
40	Citizen service center - Zone-IV B, Zone V and Anakapalle	0.33	0.17	Modernization of Citizen Soukaryamcentre's at Zone-IV(B), Gajuwaka and Anakapalli • Flooring with Vitrified Tiles • Painting Internal and External walls • UPVC doors & Sliding Windows • Helpdesk Tables, Executive Chairs • Aluminium Partitions • Storage racks, Water dispensers • Locker & air conditioners	Work completed.
41	Citizen service center - Bheemili	0.10	0.09	Modernization of Citizen Soukaryam center at Bheemili • Flooring with Vitrified Tiles • Painting Internal and External walls • UPVC doors & Sliding Windows • Helpdesk Tables, Executive Chairs • Aluminium Partitions • Storage racks, Water dispensers • Locker & air conditioners	Work completed.
42	Citizen Service center - Main office & zone III	0.33	0.27	Modernization of Citizen Soukaryam center at GVMC Main Office and Suryabagh Zone-III Office • Flooring with Vitrified Tiles • Painting Internal and External walls • UPVC doors & Sliding Windows • Helpdesk Tables, Executive Chairs • Aluminium Partitions • Storage racks, Water dispensers • Air Conditioning systems • False ceiling along with lighting system	Work completed.
43	Citizen Service center - Madhurawada	0.25	0.20	Construction of Citizen Soukaryam Centers at Madhurawada • Construction of New Building with Plinth area of 760 Sft • UPVC doors & Sliding Windows • Helpdesk Tables, Executive Chairs • Aluminium Partitions • Storage racks, Water dispensers • Air Conditioning systems • Locker	Work completed.

S.No	Project	Amount	Utilization	Description	Status
				<ul style="list-style-type: none"> False ceiling along with lighting system 	
44	Citizen Service center - Vepagunta	0.38	0.32	<ul style="list-style-type: none"> Construction of Citizen Soukaryam Centers at Vepagunta Construction of New Building with Plinth area of 3230 Sft UPVC doors & Sliding Windows Helpdesk Tables, Executive Chairs <ul style="list-style-type: none"> Aluminium Partitions Storage racks, Water dispensers <ul style="list-style-type: none"> Air Conditioning systems Locker False ceiling along with lighting system 	Work completed.
Storm Water Drains					
45	Stormwater Drainage (Major drains in ABD area) Length of Major drains 1.890 km	6.11	6.03	<ul style="list-style-type: none"> Construction of Storm Water drains (Major Drain) Gap filling at various places Construction of 1.89 Km New Major Drains in the ABD area 	Work completed.
46	Construction of Gap filling Minor drains in ABD area.	7.95	4.64	<ul style="list-style-type: none"> Construction of Gap filling Minor drains in ABD area. 14.100 km length of drains of various sizes 	Work completed.
47	Covering of Minor drains and laying CC edge to edge in berm portions in ward 17 & 18	8.15	1.19	<ul style="list-style-type: none"> Providing clearly demarcated spaces for pedestrians by providing raised/at grade footpaths. <ul style="list-style-type: none"> Laying of wearing course Construction of Minor Drains Placed Cover Slabs upon the Drains Laying with CC at Berm Portions in Small Roads 	Work completed. Pre-closed and Terminated
48	Covering of Minor drains and laying CC edge to edge in berm portions in ward 19 & 20	5.10	0.57	<ul style="list-style-type: none"> Providing clearly demarcated spaces for pedestrians by providing raised/at grade footpaths. <ul style="list-style-type: none"> Laying of wearing course Construction of Minor Drains Placed Cover Slabs upon the Drains Laying with CC at Berm Portions in Small Roads 	Work completed. Pre-closed and Terminated
Solid Waste Management					
49	O&M of semi under ground bins	9.16	2.80	<ul style="list-style-type: none"> Semi Underground Bins - 50 Locations with volumetric sensors These technologies can provide visibility on solid waste management, route planning for garbage collection, resource optimization, efficient asset management, efficient maintenance, visibility of waste bins etc. 	O&M for 5 years in progress. O&M Started 01-08-2018 O&M Completion 31-07-2023
Mobility					
50	Multi level Mechanical Semi automatic Car Parking at Jagadamba Junction - 100 cars parking Space	11.45	10.14	<ul style="list-style-type: none"> Constructed area - 367.89 Sqm. Can accommodate 100 Cars with ticketing system for public use. Brings decongestion of traffic around Jagadamba market area and reduces on street parking. Maximum vehicle retrieving time 90 seconds. Providing safe, secure and efficient vehicular circulation / passage. Enhance public safety & security 	Work completed. O&M for 2 years in progress. O&M Started 07-02-2022 O&M Completion 06-02-2024
Heritage					
51	Conservation of Heritage buildings -	4.24	2.85	<ul style="list-style-type: none"> Built by the Rajah of Bobbili between 1901 & 1904 and was 	Work completed.

S.No	Project	Amount	Utilization	Description	Status
	Town Hall Conservation			<p>inaugurated R.H. Campbell, Collector & Agent, Visakhapatnam on the 8th of March, 1904.</p> <ul style="list-style-type: none"> The venue has hosted events attended by great personalities such as Mohandas Karamchand Gandhi & the two Nobel laureates, Rabindranath Tagore, Sir C.V. Raman and Dr. S Radhakrishnan, free India's 1st president. <ul style="list-style-type: none"> Site area: 25850 Sft Ground Floor plinth area: 7155 Sft First Floor plinth area: 7155 Sft <p>Renovation as a smart city project:</p> <ul style="list-style-type: none"> Mangalore tile roofing as per its original shape. Demolishing the dilapidated portions and re-construction with Stone & Wood. Refurbishing of wooden flooring & rafters to preserve the aesthetics. Landscaping and external facade lighting to rejuvenate & enhancing the aesthetics. Developed open air auditorium. 	
52	Conservation of Heritage buildings-old Municipal building conservation	7.17	5.58	<ul style="list-style-type: none"> Constructed in the late 1930s, a relatively modern structure with a curious mix of both, modern and colonial styles of architecture with the European architecture and the flat cantilever occupying equal space. <ul style="list-style-type: none"> Site area: 30250 S.ft. Ground Floor plinth area: 10930 S.ft. First Floor plinth area: 11350 S.ft. <p>Renovation as a smart city project:</p> <ul style="list-style-type: none"> Demolishing the dilapidated portions and re-construction with Stone. <ul style="list-style-type: none"> Refurbishing with required and elegant wood work. Landscaping and external facade lighting to rejuvenate & enhancing the aesthetics. Developed open air auditorium. 	Work completed.
Core Infrastructure					
53	Supply, delivery, erection, commissioning of energy efficient motors/pumps sets with necessary ancillary items for GVMC water supply system	6.00	6.00	<ul style="list-style-type: none"> Supply, installation, testing, commissioning of pumping machinery & allied piping and valves in place of old pumps at Gosthani, Nathayyapalem and part of TSR pump houses <ul style="list-style-type: none"> Gosthani Pump House – Pump capacities - 2 nos of 275 Kw and 2 nos of 75 Kw . MGR Pump House – Pump capacities - 4 nos of 132 Kw. Raiwada – Pump capacities – 2 nos of 125 Kw. TSR Pump House – Pump Capacities – 2 nos of 22 Kw. Replacement of Old MCC panel with Variable Frequency Drive (VFD), MCC and APFC Panels, Flowmeters, Dismantling Joints and Piping. HMI Screen in MCC panels for 	Work completed

S.No	Project	Amount	Utilization	Description	Status
54	Sports Arena at MVP Colony	25.50	21.89	<p>monitor the parameters.</p> <p>Construction of Sports Arena Building on a site area of 4776 sq.m. with a Built-Up area of 2540sqm (2107sqm – Sports hall, 433 sq.m. – Swimming pool & guard room) and external development area of 2236 sq.m.</p> <p>Indoor Sports Arena with Facilities like:</p> <ul style="list-style-type: none"> • Indoor Basketball Courts – 1 Nos. • Indoor Badminton Courts – 6 Nos. • Indoor Volleyball Court – 1 Nos. • Half Olympic size Swimming Pool, Kids Pool • Outdoor Gym & Children’s Play Area • Sports flooring – Synthetic & Wooden flooring • Wall cladding & False ceiling in entire building <ul style="list-style-type: none"> • Dormitories • Board game room • Changing rooms + Lockers • Jogging Track • Retractable Seating – 294 Nos. capacity 	Work completed.
55	24x7 Water supply in ABD area	86.40	36.81	<p>24x7 Water Supply in ABD Area</p> <ul style="list-style-type: none"> • Supply and laying of various sizes of HDPE and DI pipes of diameter ranging from 110mm to 500 mm – 48.477 KM. <ul style="list-style-type: none"> • Construction of new Service reservoir for a capacity of 2600KL GLSR • Providing individual HSCs of various sizes along with AMR meters of 5998 Nos <ul style="list-style-type: none"> • Supply & installation of Pumping Machinery - 13 Nos duly replacing old pumps with all necessary valves, cables, panels, cable trays etc. • Construction of a SCADA Building cum Customer relation management center. 	100% capital work completed Trial run is in progress. O&M 10 years after completion
Sub -Total		542.66	426.74		
II Projects in Progress (4 No. - Rs. 197.34 Cr.)					
S.No	Project Name	Est. Amount (in Cr)	Utilization (in Cr)		Status
Core Infrastructure					
56	Sewerage in ABD area	67.68	42.38	<p>Sewerage ABD Area</p> <p>a) Design, Construction, Testing, Commissioning and Operation & Maintenance of sewerage network for a length of 16 Km in Jalaripet and ABD area including house sewer connections of 3017</p> <p>b) Retrofitting of Pumping Stations at Pandurangapuram (9MLD), Shanti Ashramam (16 MLD) and Town kotha road (38 MLD)</p> <p>c) Retrofitting of Sewage Treatment Plants (STP) at Appughar (25 MLD) and Town Kotha Road (38 MLD)</p>	Work in Progress - 71% completed Target: by Dec' 2023. O&M 7 years after completion

S.No	Project	Amount	Utilization	Description	Status
57	Smart Streets (No. Of Roads 6, Length 6.81 Km)	57.96	17.56	Beautification of Streets in ABD Area <ul style="list-style-type: none"> • Beautification of 6 roads of 6.816 Kms including: • Maintaining uniform carriageway width, re-channelization of roads. • Providing clearly demarcated spaces for pedestrians by providing raised footpaths. • Providing clearly demarcated spaces for cyclists by providing raised cycle tracks. • Providing clearly demarcated spaces for Bus-Stops. <ul style="list-style-type: none"> • Providing dedicated on-street parking. • Increase of green cover through plantation. • Providing adequate pedestrian lighting. <ul style="list-style-type: none"> • Laying of wearing course. • Road markings, road furniture. <ul style="list-style-type: none"> • Installation of signages. • Junction improvement works 	Physical Progress - 40% completed Contractor demobilized the work. Final Notice issued for resume of the work. Proposed for termination
58	Development of balance roads in ABD area as Smart Streets (Additional Smart Streets)	48.60	23.53	Beautification of Streets in ABD Area <ul style="list-style-type: none"> • Beautification of 32 roads of 11.486 Kms including: • Maintaining uniform carriageway width, re-channelization of roads. • Providing clearly demarcated spaces for pedestrians by providing raised footpaths. <ul style="list-style-type: none"> • Providing dedicated on-street parking. • Increase of green cover through plantation. • Providing adequate pedestrian lighting. <ul style="list-style-type: none"> • Laying of wearing course. • Road markings, road furniture. <ul style="list-style-type: none"> • Installation of signages. • Junction improvement works. 	Work in Progress - 61.15% completed Target: by Dec' 2023
59	Network Service Provider	23.10	11.09	Providing network connectivity between field level smart devices and integrated command and control centre	Currently obtained temporary network from Vodafone. Proposed to Drop the project and request letter sent to State Government for approval. Awaiting final approval.
Sub- Total		197.34	94.56		

III Convergence project under Smart City (2 No. - Rs. 200.00 Cr. Proposed contribution from Smart City Fund) - Total cost -Rs 942 Cr

S.No	Project Name	Est. Amount (in crores)	Expenditure (in Cr)		Status
60	Development of Sewerage Network system in pendurthi area and Supply of recycled water to industries in Visakhapatnam	412	298.46	Development of Sewerage Network system in pendurthi area and Supply of recycled water to industries in Visakhapatnam (Package-I)	Work is in Progress - 92% completed Target: by Oct' 2023

S.No	Project	Amount	Utilization	Description	Status
	(Package-1) Total project cost Rs. 412.00 cr Smart City Contribution - Nil				
61	Development of Sewerage Network system in Gajuwaka & Malkapuram areas and Supply of recycled water to industries in Visakhapatnam (Package -2) Total project cost Rs. 530.00 cr Smart City Contribution - 200 Cr	530	153.79	Development of Sewerage Network system in Gajuwaka & Malkapuram areas and Supply of recycled water to industries in Visakhapatnam (Package -2)	Work is in Progress - 42% completed Target: by Oct' 2024
Sub - Total		942.00	452.25		

(Source: Visakhapatnam Smart City)