I. GENERAL CRITERIA

1. All Project construction is to be completed by the dates specified in Table 5-2 of the RFP, Construction Milestones
2. The Contractor shall coordinate closely with the District to ensure all construction activities minimize impact on operations and events at the sites.
3. System area and sizing as shown in Attachment C is generally larger than necessary to allow for maximum design flexibility. Contractors are instructed to base their designs on meeting the production targets specified in Attachment C, utilizing the preferred areas first. Should a site have insufficient area identified to meet production targets, the Contractor should recommend additional array areas.
4. Access during regular weekday working hours: On all days when school is in session, the District will require a regular work day from 2:00pm to 10:00pm. Work hours during session breaks including weekends and holidays are between 7:00AM and 7:00PM.
5. All active work areas must be fenced off from start of work at that area until substantial completion or until area is safe for entry, whichever is longer. Temporary fencing and access control layouts shall be submitted to the District and approved for each site prior to commencing construction.
6. The selected Contractor is responsible for locating and protecting all underground utilities. See topo/survey plans for reference for estimated locations of underground utilities.
7. All homerun routes identified in Attachment C are preliminary. The Contractor shall be responsible for identifying the appropriate conductor route in coordination with the District.
8. The selected Contractor is responsible for maintaining fire lane access, building egress and clearances at all easements at all times.
9. The Contractor shall coordinate with and provide access and support to all inspectors, District staff or consultants during testing and inspections of all systems.
10. The Contractor shall be responsible for specifying and conducting tree removal and/or trimming as needed to meet production guarantee of PV system arrays. All tree stumps shall be removed to a minimum of 18 inches below grade. Disturbed area shall be repaired to match surrounding area. Areas with trees eligible for removal or trimming (and/or replaced as mitigation for removed trees) are identified in Attachment C Site Detail Sheets and should be confirmed during the site walk. Trees to be removed and/or replaced as mitigation for removed trees shall be identified on the Contractor's proposal layouts and design drawings when completed. The operations & maintenance agreement must include any ongoing tree trimming as needed to ensure the systems meet the performance guarantees.
11. Contractors are responsible for identification and removal of light poles that are in conflict with PV system design. Light pole foundation shall be chipped to a sufficient depth so as to allow for existing conduit to be contained in a concrete box that is flush with the surface. Existing conduit that is not reused shall be capped and placed in a concrete box. Existing lighting controls may be

reused, if available. Light poles to be removed shall be identified on the Contractor's proposal layouts and design drawings. Disturbed area shall be repaired to match surrounding area. Light poles shall be provided in good condition to the District or disposed of at the District's option.

12. Contractors are responsible for ensuring ADA compliance for all work, including covered parking spaces.
13. Storm Water Pollution Prevention (SWPPP). Contractors are responsible for implementation and monitoring of SWPPP or WPCP on all sites. Contractors are responsible for all liabilities and penalties related to SWPPP and WPCP on all sites. See spec section 01 57 23 for specific requirements.
14. Contractor is to meet applicable codes with regard to dust during construction and seek to minimize dust migration from the construction site
15. Noise, Drugs Tobacco, and Alcohol - Contractor shall take all steps necessary to insure that employees of Contractor or any of its subcontractors' employees do not use, consume, or work under the influence of any alcohol, tobacco or illegal drugs while on the project. Contractor shall further prevent any of its employees or its subcontractor employees from playing any recorded music devices or radios or wearing any radio headphone devices for entertainment while working on the project. Likewise, Contractor shall prevent its employees or subcontractor's employees from bringing any animal onto the project. Contractors shall not violate any written school policies
16. Contractor is responsible for repairing and/or replacing all landscape and irrigation damaged, modified or improved as part of the project and shall maintain the vegetation for a period of 90 days from substantial completion. Planting areas outside of the array areas should be planted to match existing. Any irrigation disturbed during construction is to be repaired to original condition by the Contractor. The Contractor shall coordinate all landscaping and irrigation plans with the District for review and approval prior to commencing work. The contractor shall hand water all existing landscape areas to remain affected by the project. If the existing irrigation main is disrupted to perform the work, the contractor shall hand water or provide a temporary water source to restore all areas of campus during construction including high lines, temporary systems, etc. See Site Details Sheets in Attachment C for areas anticipated to be modified, renovated or removed due to the installation of solar panels and electrical infrastructure.
17. Contractor is responsible for on-site installation supervision throughout the duration of the project.
18. Contractor is responsible for patching and repairing all building penetrations performed by the Contractor during installation. Conduit installed on the exterior of District structures shall be painted to match.
19. Contractor is responsible for all generated trash. District owned dumpsters and trash bins may not be used for storage or disposal.
20. Contractor shall clean all work areas on a daily basis and equipment after project completion. Contractor shall ensure that work areas are clear of construction debris, spoils and that all demolition and repair has been completed prior to releasing work areas to public access.

21. Contractor must coordinate and provide start up/interconnection agreements with local utility.
22. All staff are to wear identifying clothing at all times when on-site.
23. All staff or subcontractors are to wear District-provided badges during construction.
24. Fingerprinting / Criminal Background Investigation / Student Safety - Contractor shall ensure the safety of the pupils by complying fully with California Education Code Sections 45122.1, 45125.1 and 45125.2.
25. DSA Approval - The successful Proposer(s) shall comply with the Education Code which mandates that no construction, or alteration of any school building, commence prior to the receipt of the written approval of the plans by DSA.
26. During the operational phase, all staff or subcontractors must check in at the office of the respective school upon arrival at the site.
27. The successful Contractor(s) shall work with the District as-needed to provide visualizations of proposed systems and assessment of potential glare or reflectivity issues.
28. Warranties - The successful Proposer(s) shall be required to provide the following minimum warranties: Consistent with the California Solar Initiative Handbook and the California Public Utility Code 387.5(d)(4), the successful Proposer shall provide a warranty of not less than 10 years to protect against defects and more than a 15% degradation of electrical generation output that may occur as a result of faulty installation. Standard warranty coverage should be at least twenty-five (25) years for any PV modules, at least ten (10) years for all inverters, or consistent with current CSI Guidelines for PV System warranty requirements, whichever is greater. Meters must have a 2-year warranty to ensure against defective workmanship, system or component breakdown, or degradation in electrical output of more than 15% from their originally rated electrical output during the warranty period. For meters that are integrated into the inverter, the meter warranty period must be 10 years.
29. CEQA – The District will prepare all necessary California Environmental Quality Act ("CEQA") documentation once the final scope of the Project has been determined. The District will act as the lead agency in the preparation of the CEQA documentation. The selected Contractor is expected to provide supporting information regarding the proposed design to the District in this process. Contractor shall note that the following sites were former military bases and as such may have specific mitigation measures for addressing unexploded ordinances (UXO's):

    1. Serra High School
    2. Tierra Santa Elementary School[BJ1]

II. GENERAL CODES, GUIDELINES AND STANDARDS

The Contractor shall comply with the most current version of all applicable codes, laws, rules, regulations and standards of applicable authorities having jurisdiction, including but not limited to:

1. California Department of Forestry and Fire Protection, Office of the State Fire Marshal (CAL FIRE) Solar Photovoltaic Installation Guidelines.
2. California Electrical Code (most recent).

3. National Electric Code (most recent).
4. Local and State Fire Code.
5. California Building Code.
6. California Title 20 and 24.
7. Occupational Safety and Health Administration (CAL-OSHA).
8. All applicable State and Local Codes and Ordinances.
9. American National Standards Institute (ANSI).
10. American Society for Testing and Materials (ASTM).
11. Factory Mutual (FM).
12. Federal Communications Commission (FCC).
13. Institute of Electrical and Electronics Engineers (IEEE).
14. National Electrical Manufacturers Association (NEMA).
15. National Fire Protection Association (NFPA).
16. Underwriter's Laboratories (UL).
17. District Specifications and Requirements.
18. DSA IR 11B-9 (most recent) Guidelines.
19. DSA IR 16-8 (most recent) Guidelines.
20. DSA PL 07-02 (most recent) Guidelines.
21. DSA IR A-4 (Geologic Hazard Reports Requirements) most recent guidelines.

III. EQUIPMENT AND INSTALLATION STANDARDS

All system design, equipment and installation must conform to the following codes, standards and rating methodologies.

1. All design, equipment and workmanship must comply with the requirements of the local electrical utility. The successful Contractor must ensure all proposed equipment is acceptable to the local electrical utility and meets the interconnection and code requirements.
2. If energy storage is proposed as an Add Alternate, then DBC shall generally assume that energy storage units shall be located adjacent to the main services and DBC shall provide any outdoor rated enclosure for energy storage units as-needed. District shall have final determination on energy storage locations.
3. If any equipment using hazardous materials (i.e. Cadmium or other hazardous materials) are included in the Project, then the environmental impact of the hazardous material usage must be discussed, including any special maintenance requirements and proper disposal/recycling of the equipment at the end of its useful life. Equipment containing hazardous materials must comply with the EPA Landfill Disposal Requirements. Any additional costs related to equipment containing hazardous materials must be clearly identified.
4. CPUC approved Electric Rule 21 – Generating Facility Interconnections.
5. UL1741 (Inverters, Converters and Controllers for Independent Power Systems).
6. UL1703 (Standard for Flat Plate Photovoltaic Modules and Panels).
7. IEEE 929 (2000) – Recommended Practice for Utility Interface of Photovoltaic (PV) Systems.

8. IEEE 1262 (1995) – Recommended Practice for Qualifications of Photovoltaic (PV) Modules.
9. NEC Article 690.
10. All applicable Utility Guidelines and Standards for PV Systems, electrical utility systems and metering requirements.
11. All applicable California Solar Initiative Guidelines (CSI)
12. Conform to the Utility's Distribution Interconnection Handbook
13. Basic structural safety design requirements for solar projects shall be per section 2 of DSA IR 16-8. Wind uplift requirements per the American Society of Civil Engineers Standard for Minimum Design Loads for Buildings and Other Structures (ASCE 7), and must be able to withstand applicable 3-second gust design wind speeds for that location utilizing appropriate risk category wind hazard maps. The minimum Risk Category shall be II.
14. Any solar structure under 4,000 square feet and outside a "mapped geologic hazard zone" per DSA IR A-4 are not required to provide geologic hazard reports. Code minimum solar capacities per chapter 18A of the CBC (latest edition) shall be used. For all other conditions, a geotechnical report shall be submitted to and approved by CGS per DSA IR A-4
15. All other applicable codes.