

Name of work: Providing amenities to the existing Skill Development Center for women, near Sarada devi temple in 45th Division, Kakinada.					
Annexure 1 - BOQ					
Sl.No.	Description	Quantity	Rate	Unit	Amount
1	Earth work excavation in sandy loamy and other ordinary soils etc complete as per ss	250.00		1 Cum	
2	Providing Plain cement concrete (1:4:8) mix using 40mm size metal from approved quarry including cost and conveyance of all materials and labour charges for mixing, laying, curing the CC etc., complete as per SS.	176.00		1Cum	
3	Providing Reinforced Cement Concrete M25 grade design mix using 20mm size metal from approved quarry including cost and conveyance of all materials and labour charges etc., complet as per SS				
	(a)footings	7.00		1Cum	
	(b)Plinth beam	1.33		1Cum	
	(c)Columns	11.185		1Cum	
	(d)Slab (125 mm thick)	59.953		1sqm	
4	Providing Brick work in CM (1:6) mix using 2nd class bricks from approved kiln including cost and conveyance of all materials and labour charges etc., complete as per ss	60.00		1Cum	
5	Collection and supply of carted sand with an average lead of 12 KM for filling the basement including cost and conveyance and labour charges etc., complete	80.00		1Cum	
6	Providing Plastering in C.M.(1:4),20mm thick and top surface rubbed smooth	350		1Sqm	
7	Providing Plastering in C.M.(1:3),20mm thick Acco proof and top surface rubbed smooth including cost and conveyance of all materials and labour charges etc., complete as per SS	60.00		1Sqm	
8	Providing Ceeling Plastering in C.M.(1:3),12mm thick and top surface rubbed	60.00		15qm	
9	Supply and delivery of HYSD bars of different dias bars including cost and conveyance of all materials and labour charges etc., complete as per SS	10120.00		1kg	
10	Supply delivery and fixing of 0.60mts x 1.80mts size PVC door with necessary locking arrangements including cost and conveyance of the materials and labour charges etc., complete	7.00		Each	
11	Supply, delivery and fixing of 80mm dia M.S.Pipe and trusses including cost and conveyance of the material and labour charges for cutting place in position etc., complete as directed by the officer in charge.	2120.00		1kg	
12	supplying fabrication with medium qaulity varies MS circular hallow section for columns and purlins etc including cast and conveyence of all material to site with all taxes and duties and labour charges for cutting placing in position welding and erection etc complete for finished item of work	150.00		1kg	
13	Roofing will be provided with 0.50mm thick galvanized pre painted G.I. profiled sheets fixed to the purlins with 14size self drilling screws with neoprene washer side laps are stitched with self tapping drilling screws end laps are to be sealed with 2x3 mm butyl type The sheets are provided with anit capillary grove SSR item code BMS-W.45	140.00		Sqm	
14	Providing M.S.plates for base plates size 200x200x10mm thick with 250mm long 12mm dia anchor bolts, plate washers and nuts complete with one coat of asian or equivalent red oxide paint etc., complete. BMSW. 32	12.00		Each	
15	supply and fixing of vetrified tiles flooring 600mm x600 mm of aproved colour and make as directed by the engineerand as per the GFC drawing given by the employer in 15 mm thickness cement mortar 1:5 including cement slurry of honey like consistency sprded at 3.3 kgs per sqmt and jointed with neat cement to full depth mixed with pegment of matching shade including cost of all materials like cement sand water and tiles etc complete for finished item of work	235.00		Sqm	
16	supply and fixing of non skid ceramic tiles flooring 600mm x600 mm of aproved colour and make as directed by the engineer and as per the GFC drawing given by the employer in 15 mm thickness cement mortar 1:5 including cement slurry of honey like consistency sprded at 3.3 kgs per sqmt and jointed with neat cement to full depth mixed with pegment of matching shade including cost of all materials like cement sand water and tiles etc complete for finished item of work	130.00		Sqm	
17	Providing Skirting to internal walls with cermic tiles over base coat of (1:3) 12mm thick with white sluary as per ss	50.00		Sqm	
18	Supply , delivery and fixing orrisa pan white glazed wc first quality ISI marked conforming to IS 2556 part 3 - 1981 with PR S trap 580 mm x 440 mm including labour	4.00		Each	
19	Supplying & Fixing Indian makeFlat Back Wash Hand Basin1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain,32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 630 x 450 mm - Double C.P. Pillar cock and labour charges for fixing hand basin with waste fittings like rubber plug chain, 32 mm nominal size CP fitting pillar taps complete with standard CI brackets including wooden block etc BMW D 23 & 28 page 148 & 149	4.00		Each	

20	Supply, delivery and fixing of diameter of following diameters of PVC pipe including cost and conveyance of the material and labour charges for fixing in position etc., complete as per ss a. 100 mm b. 150 mm	25 35		Rmt Rmt	
21	Supply, delivery and fixing of white glazed flat back bowl urinals of size 440mm x 265mm x 315mm with internal flushing including labour charges for all operations with fixing CP spreader and Screws SSR item code BMW-D33	5.00		Each	
23	Supply, installation and commissioning approved make floor mounted close coupled EWC suit CASCADE model 'P' or 'S' trap with dual flush porcelain cistern fixed on EWC with all internal parts as per SS SSR item code BMW-D.18	4.00		Each	
24	Supply and fixing of 20mm Nominal Bore GI pipe medium grade properties and weight as per ISI mark with GI fittings including cost of material and labour charges etc., complete SSR item code BMW-F.81	80.00		Rmt	
25	Supply and fixing of 15mm Nominal Bore GI pipe medium grade properties and	60.00		Rmt	
26	Supply and fixing 12.7mm NP stop cock indian make heavy duty as per SS	10.00		Each	
27	Painting to new walls with two coats of plastic emulsion paint of approved brand and shade over a primer coat for external walls	159.44		Sqm	
	Painting to existed building walls with two coats of plastic emulsion paint of approved brand and shade over a primer coat for external and internal walls	1000.00		1sqm	
28	Painting to new walls with two coats of plastic emulsion paint of approved brand and shade over a primer coat for internal walls	130.00		Sqm	
29	Supply and fixing casting situ C.C. (Pre casted) not less than M30 strength, C.C. Kerbs of size 600 X 400 X 110 mm thick with bottom thickness of 110 mm upto height of 350 mm and top width of 60 mm thick chamfering at starts at 350 mm height to 400 mm (As per drawing) can be laid existing CC Bed with kerb jointing with C.M(1:3) including cost and conveyance of all material & labour charges including transportation complete for finished item of work	220.00		Rmt	
30	Supply of precast concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification set over the 50 mm thick sand bed with hand roller compaction with joint neatly in homogenous or heterogeneous pattern as the color and pattern shall be as per the drawings furnished by the architect, including cost of all materials like cement, sand water and tiles etc., complete for finished item of work	200		Sqm	
31	Painting to new walls with two coats of synthetic enamel paint of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item work as per SS for external walls - pathway	110		Sqm	
32	Filling and consolidation of Gravel brought from approved quarry including cost and conveyance of sand and all labour charges for sectioning, ramming, watering etc. complete	180		Cum	
33	Providing inter locking tiles 200mm x 100mm thick various sizes & collars approved by the departmental authorities including cost & conveyance of all materials and labour charges for fixing locking tiles in position etc., complete	800.00		Sqm	
34	Supply, Delivery and Erection of 3.00HP 20-23 Stage, 3 star Three phase ISI submersible motor pump set suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / KSB / Aryan Varsha / Lubi.	1.00		job	
35	Providing 100mm dia deep bore well with PVC casing and ground level system water storage tank including cost and conveyance of all materials and labour charges for all operations as per the standards described by the departmental officers etc complete	100.00		Mtrs	
36	Providing & Placing on Terrace (at all floor levels) polyethylene water storage tank with Double layer approved brand & manufacture with cover and suitable locking arrangement & making necessary holes for inlet & outlets and over flow pipes including cost and conveyance of all materials and fittings etc complete for finished item of work	2000.00		1 Lt	
37	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko or equivalent including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors. 300grm	13		Each	
38	Supply and fixing of CP Jallies of approved make on wall including cost & conveyance of all materials etc completed for finished item of work	13		Each	
39	Supplying and fixing of SWR/PVC pipes (as per ISI standards) 4 Kg/sqm Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc., complete for finished item of work at all floor levels (APSS No.1302, 1319 &	30		Mtrs	
40	Supplying and fixing PPR Ball valve as per ISI Class - I, Indian make heavy type including cost and conveyance of all materials, labour charges etc. complete for finished item of work.	1		Each	
41	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work.				
	16mm dia	30		Mtrs	

	28mm dia	15.00		Mtrs	
42	Supply, delivery and fixing in position of anodised alluminium single slide doors which is made out of frame 100x45x2mm with for shutters top rail 45x45mm and middle rail 45x45mm thick bottom rail 100x45mm with 12mm thick NOVAPAN both sides of same colour for bottom of height with necessary items such as lock, handles, 5mm rubber, glazing clip and alluminium door handle of 4mm dia round hinges of size 5" long top half portion with 5mm thick float glass including cost and conveyance of all materials and labour charges etc., complete as directed by the Engineer-in-charge of work .(for toilets)	4.00		1Sqmt	
43	Supplying Aluminium anodised alluminium partition with inter door, inSections for Doors, partitions, windows, Ventilators cost and conveyance of all material and labour charges for all operations etc. complete for finished rate as directed by the departmental officers including labour charges.	60.00		1sqm	
44	Providing fountain as per the directions of the departmental officers including cost & conveyance of all materials such as fountain equipment, Pipes, Cement ornmental work to site of work and labour charges for all operations etc.,	1.00		1 Unit	
45	Providing MS L - railing sections for compound wall raise for secure and including cost and conveyance of all materials and labour charges for fabrication using MS, welding rods as directed by the departmental officers for finished item of work.	1000.00		kgs	
46	Supplying and fixing of false ceiling using Plaster of paris Boards 12 mm thick with standard GI ceiling angles, sections perimeter channels including cost and conveyance of all materials and labour charges etc complete	430.00		1 sqm	
47	Supply of Office table with desk facility of Godrege Make model including cost of all taxes and delivery at site for use in skill development centre in the class rooms/ lecture halls	10.00		Nos	
48	Supply of Chairs with with hand rest facility of Godrege Make model including cost of all taxes and delivery at site for use in skill development centre in the class rooms/ lecture halls	50.00		Nos	
49	Supply of Chairs with writing desk facility of Godrege Make model including cost of all taxes and delivery at site for use in skill development centre in the class rooms/ lecture halls	120.00		Nos	
50	Supply delivery and fixing of commputer table with decolam finished table with 12mm water proffing plywood, with keyboard, and CPU arrangement and concield box for wiring including all fixures.	25.00		Nos	
<b>CARPET GRASS – KOREAN / MEXICAN</b>					
47	Dressing the surface to the desiorted shape, laying 6" layer of fine red soil, covered with a thin layer of sand, watering, rolling with hand roller (4" thickness after rolling) including the cost of red earth, sand and labour charges etc	1200.00		Sqm	
48	Varieties of Plants				
	Main Plants - spethodia	60.00		each	
	Palm - mirchi meri gold	80.00		each	
	Edge plants - ixoramini white and pink	460.00		each	
	Mound Plants - Travilar palm	2.00		each	
	Edge plants -raphis excelsa	40.00		each	
49	laying and ramming of grass	761.21		1 Sqm	
50	Bed preparation Dressing the surface to the desire shape Laying 6" layer of fine red soil, covered with a thin level layer of soil rolling with hand roller (4" thickness or rolling), including the cost of red earth , sand and labour charges etc complete.	761.21		1 Sqm	
<b>Total - A</b>					

Sl.No	Description	Quantity	Rate	Unit	Amount
1	Supply and fixing of 20 mm dia 1.5 mm thick surface PVC pipe (ISI Mark) with all accessories fixing on chromium plated metallic base saddles and modular board for switches for light,fan and separate plug-point including all labour charges etc..complete.	150.00		Rmt	
2	Wiring with 2 runs of 14/03 mm(1.0 sq.mm) fire retardent (F.R) PVC insulated flexible copper cable (ISI Mark) is existing pipe with 6 modular switch ceiling rose and 6 modular covering t switch control box including all labour charges etc..	30.00		Each	
3	Supply and fixing of 6 A 3 pin wallplug modular socket with 6 A modular switch control on a common switch board with earth continuity including wire leads, earth connection along with all labour charges etc.Complete	6.00		Each	
4	Supply of 1x40 W patti type tubelights luminaire with copper choke starter and tubelight etc..complete Fixing of 40W tube light luminaire on wall / Ceiling with / TW round blocks with all accessories including giving connections and Cost and conveyance of all the materials and all labour charges etc., complete.	16.00		Rmt	
5	Supply and Delivery of 1200 mm (48") sweep ISI Mark as per IS:374 - 1979 and 5 Star Rating Ceiling Fan with 3 Blades and double ball bearings but without Regulator of CROMPTON high speed plus / Bajaj ELECTRA 50/ ORIENT ENERGY STAR/ HAVELLS ES 50 make with Labour charges for Fixing of Ceiling fan and regulator including transportation and giving connections with twin core wire etc., complete.	12.00		Each	
6	Supply and delivery and Fixing of electronic stip type fan regulator of make Legrand Arteor/ schneider zen celo/MK Blenge.	12.00		Each	
7	Supply and fixing of Consealed box MS with hook for fan	12.00		Each	

8	Supply and run of 2 of 6 Sq.mm WPSC Aluminium cable along with No.10 SWG G.I bearer wire through PVC cleats with all accessories including labour charges etc..complete for service mains.	50.00		Rmt	
9	Supply of 10 Sqmm 4 Core XLPE insulated, 1100V grade armoured aluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Polycab / KEI / RPG / Finolex / Orbit / Havells / Paragon / V-Guard / Fortune Art / Gloster / Suncab / Finocab	80		Rmt	
10	Foundation and erection and charges for 7 mtrs long Octagonal /conical pole duly erecting on base plate 290mmx290mmx16mm thick duly providing 4 No's foundation bolts with nuts with providing of M20 c.c work vibrated	1		each	
11	Fabrication, Transportation and supply of hot-dip galvanized Octagonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 7 Mtrs height Pole having dimensions Bottom 130 mm,. Top 70mm with 3mm thick, base plate 220 x 220 x 12mm and 4 Nos of M20 x 700 long 'J' bolts along with template.Makes: Bajaj / Valmont / TRANSRAIL.	1		each	
12	Fabrication,supply and fixing of luminaire carriage made with 50 mm dia MS "B" class pipe moulded to 4 feet dia ring wheel and 40 mm dia MS support pieces on four sides inside the wheel with necessary size of Ms pole cap for fixing of ring wheel on the 114.3 mm dia MS pole for fixing luminaire and gear	1		each	
13	Supply of PVC insulated 3 core 1.5 sq mm sheathed flexible copper cable for voltage up to 1100v as for is 694/1990 of make finolex/ RR Kable etc. complete	40		Rmt	
14	Supply and transportation of 90 Watt LED Flood light Luminaire made of pressure diecast aluminium housing with powder coated,having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temperature < 70°C, with Ingrees protection IP65, IK05, Driver surge protection 4KV, external Surge protection ≥ 5KV with wide/ Narrow beam optics, THD<10% at 110 Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., complete. a) LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM/ SAMSUNG.	4		Each	
15	Providing Independent earthing by excavating a trench to depth of 2.1 m in all soils,as per size specified in the data,using 40mm dia "B" class GI pipe of 2.5 mtrs length with necessary accessories with hume pipe ring duly providing staggered holes including filling with equal proportion of salt charcoal in layers and all labour charges etc..complete.	1		Job	
16	Supply and fixing of 6-32AMPS 10kasp MCBs including all labour charges etc..complete ISI mark of makeLegrand//Schneider/	2		Each	
17	Labour charges for Laying of UG cable upto 50 Sq.mm including making necessary connections and laying of sand back filling of trench after laying etc..complete.	70		Rmt	
<b>Total - B</b>					

Sl.No	Description	Quantity	Rate	Unit	Amount
1	Supply and Fixing of 25mm dia 1.5mm thick PVC pipe (ISI MARK) concealed in wall with all required accessories including masonry work cost and conveyance of all accessories and all labour charges etc., complete.	70.00		1 Rmt	
2	Supply and run of 2 of 36x0.3 MM(2.5 Sq.mm) FR PVC insulated flexible copper cable in Existing pipe for mains including all labour charges etc..complete	200.00		1 Rmt	
3	Supply and Run of 4 of 10 Sq.mm WPSC Aluminium cable along with No.10 SWG G.I bearer wire ON BOTH SIDES through PVC cleats with all accessories including Cost and conveyance of all the materials and all labour charges etc., complete for service mains.	30.00		1 Rmt	
4	Wiring with 2 runs of 14/03 mm(1.0 sq.mm) fire retardant (F.R) PVC insulated flexible copper cable (ISI Mark) is existing pipe with 6 modular switch ceiling rose and 6 modular covering t switch control box including all labour charges etc..	44.00		Each	
5	Supply, Transportation and Fixing of 36W Recessed / Surface mounting 2' x 2' LED (ceiling lights) luminaire made of CRCA sheet housing with powder coated with acrylic diffuser, Constant current Driver, With System lumen output ≥3200lm operating voltage range of 150 to 265 Volts AC, P.F > 0.9, Surge protection: 2KV, THD<10%, with high power LED's having efficacy of > 120 lumins/watt,CCT: 3000K - 5700K, minimum CRI>70, .etc., complete.a) LUMINAIRE MAKE : Phillips / OSRAM / GE / Crompton / Bajaj / Havells / VIN. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM /	44.00		Each	
6	Supply and fixing of Computer boards with 3 pin 6AMPS modular socket 4NOS with 6 A modular switch controls 4 nos and modular sheet and G.I coned box including all labour charges etc.Complete.	40.00		Each	
7	Supply and fixing 19/20 mm Steel tube fan down rod etc,complete.	28.00		Each	
8	Supply and fixing of 3 phase Meter board size(1) 18" X24" peta board (2) 63Amps porcelain Rewireble fuse unit 3 Nos,including wire and PVC pipe and Labour charges.etc ., complete.	1.00		Each	
<b>Total - C</b>					

	<b>Projector with the following Specs</b> Projection System : DLP Short Throw Native Resolution : 800 x 600 Brightness : 3000 AL or higher Contrast Ratio : 18000:1 Aspect Ratio : 4:3native Lamp Life(Normal/Economic Mode : 3500/5000 Hrs. Remote Control : Full Function remote control unit for projector (To be supplied along with the projector) Projection Distance : 0.5-2.5 m+ I/O : Minimum VGA input, Audio Input Warranty : Comprehensive onsite warranty for Two years and an Additional 3 years AMC. Make of Projector : Dell/ BenQ/Canon/Epson/Casio/optoma or equivalent	1.00		No	
	<b>UPS with the following Specs</b> Makes Rocket / Amaraja / Exide/Leoch Minimum VAH required 13104 Battery Rack & Connectors To be provided Charger Built-in solid state float-cum-boost charger with automatic boost Environmental Parameters: Operating Temperature 0 to 45 deg. Centigrade Storage Temperature 0 to 70 deg. Centigrade BYPASS Bypass Supply Voltage 220 / 230 /240V AC Static Switch By Directional Static Bypass Built-in Maintenance Bypass Make before break manual bypass should be Builtin Other Features: LCD display for status/fault information, 199 Events Storage. SNMP, MODBUS, COMMUNICATION Option should available Cold Start Available H Class Isolation Transformer required Should be inbuilt at output of the UPS and critical load Compatibility Should be Generator Compatible Credential ISO 9001 and 14001 Certified Warranty 2 year on UPS and 2 Years on Batteries	1.00		No	
	CPU: The System with Intel Core i-5, 3.2 GHz, 6MB Cache Chipset: Intel Q8 Series Memory: 4GB 1600 MHz DDR4 RAM(Expandable up to 32GB) Hard Drive: 500 GB 7200 rpm or higher Ports: 6 USB ports or more (at least 2 USB with 3.0), 1 Display Port/VGA port, audio ports for microphone and headphone in front. Cabinet: Mini Tower DVD ROM Drive: 8x or better DVD RW Drive Network Port: 10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up, TPM enabled 1.2 chip using any standard management software Operating System: Windows 10 and above Graphic Card : SMART Integrated Intel extreme graphics on M/B/ on board graphics Monitor 18.5" LED backlit display Digital colour monitor TC-05 Certified, same company brand as that of PC. Keyboard 104 Keys OEM English Keyboard (it must have soft keys ), same brand as that of PC Mouse Optical Mouse with USB interface and of brand as that of PC. Anti- Virus Latest Anti-virus Software Preferred Brands : Quick Heal, Total Security, Kaspersky, McAfee, License for the period of three years Warranty Comprehensive warranty for 3 years Make of PC : Dell/HP /Lenovo/HCL or equivalent	40.00		Nos	
	<b>Project Screen</b>	1.00		No	
	<b>Total - D</b>				