

OFFICE OF THE CHIEF ENGINEER PWD ELECTRICAL RAJASTHAN JAIPUR

No. 600

Date 25.11.2022

OFFICE ORDER

Subject :- Addendum in PWD Electric BSR 2022


Ref:- This office Order no. CE(Elect)/ BSR/2022-23/D-148 Dated 30-05-2022

In continuation of above referenced letter, suggestions were invited for improvement in PWD Electric BSR 2022 from all esteemed users of the same document.

Keeping in view of incorporating new innovations in day to day technology & make the document more intelligible in use, addendum-1 is being releasing with this order.

Same can be downloaded from PWD Rajasthan website from dated 25-11-2022 and applicable so far.

Enclosed:- Addendum No. -1 in PWD Electric BSR 2022

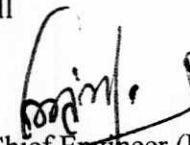

(Jagat Singh Meena)
Chief Engineer (Elect.)
PWD Rajasthan, Jaipur
25.11.22

No.

Date:-

Copy Submitted/ Forwarded to following for information & necessary action:-

1. PS to the Principal Secretary , P.W.D. GOR Jaipur
2. PS to the Secretary , P.W.D. GOR Jaipur
3. The Chief Engineer (Roads) & AS/ Bldg./NH/PMGSY/QC PWD Rajasthan
4. The Managing Director, RSRDCC ltd, Setu Bhawan, Jhalana doongri , Jaipur
5. The Managing Director, RIICO, Jaipur
6. The Chief Engineer, NHM Rajasthan, Swasthya Bhawan, Jaipur
7. The Chief Engineer, UDH/LSG, Rajasthan, Jaipur
8. The Housing commissioner, RHB, Jyoti Nagar , Jaipur
9. The Administrator, RSAMB, Pant Bhawan, Jaipur
10. The commissioner, Development Authority Jaipur/ Jodhpur/Ajmer.
11. The Additional Chief Engineer, PWD(Electrical/ Civil)...All
12. The superintending Engineer, PWD(Electrical/Civil)...All
13. The Joint Director(IT) PWD for uploading on PWD Rajasthan website.
14. The executive Engineer, PWD (Electrical/ Civil)....All


Chief Engineer (Elect.)
PWD Rajasthan, Jaipur
25.11.22

No.

Date:-

OFFICE ORDER**(Addendum - 1 in PWD Electric BSR-2022)**

Following Addendum are herewith issued in PWD Electric BSR 2022 with immediate effect from 25.11.2022			
CHAPTER 27. Miscellaneous Items			
Code No.	Description	Unit	Complete Rate in INR
27.1	SITC of IR IP Based 5 MP Dome camera : 1/2.8" Progressive CMOS, ICR, IR, 2560(H)x1920(V):25fps(P) , 2.8/3.6 mm lens (As per site requirement) H 264,H265/MJPEG, dual-stream, 120dB WDR or better, 3D DNR, BLC, IR: minimum 30 mtr, Provision for Support on-board storage up to 256 GB (SD card not included), intrusion detection, Line crossing detection, Motion detection, Dynamic analysis, Alarm should be trigger on (Tampering alarm, Network disconnect, IP address conflict, Storage exception), security feature such as (password protection, privacy mask, watermark, IP address filtering, anonymous access), Open standard to support ONVIF (PROFILE S, PROFILE G), Metal Housing, Vandal-proof housing IP 67, DC 12V & PoE, Complete with Junction box for cable management Operating Conditions : 20 °C - 50 °C or better. Model should be : CE, BIS,/UL,FCC,ROHS compliance. The CCTV OEM should have CMMI Level 5 or above or equivalent setup certification. The CCTV OEM should have its office and service/ support center in RajasthanAll as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	Each	8,000.00
27.2	SITC of IR IP based 5 MP Bullet Camera 5 MP , Video Resolution: 2592(H)x1944(V) Pixels , 1 to @25 fps; Image Sensor: 1/2.8-inch CMOS; Built in Infra-Red: 40 to 50 mtr; High Dynamic Range- 120 dB WDR; Lense- 2.8/3.6 mm, ;H264,H265/MJPEG , provision for Support on-board storage up to 256 GB (SD card not included) , intrusion detection, Line crossing detection, Motion detection, Dynamic analysis, Alarm should be trigger on (Tampering alarm, Network disconnect, IP address conflict, Storage exception), security feature such as (password protection, privacy mask, watermark, IP address filtering, anonymous access), Open standard to support ONVIF (PROFILE S, PROFILE G), Metal Housing, Vandal-proof housing IP 67, DC 12V & PoE, Complete with Junction box for cable management Operating Conditions : -30°C to + 70 °C or better. Onvif Profile S,G,Confirmant;Model should be : CE, BIS,/UL,FCC,ROHS complianceThe CCTV OEM should have CMMI Level 5 or above or equivalent setup certification. The CCTV OEM should have its office and service/ support center in RajasthanAll as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	Each	8,200.00
27.3	Supply, Installation, Testing & Commissioning of 16 ch NVR Pre-licenced, NVR supports upto 40 TB HDD Support, 16ch IP inputs; ; Support ANR technology; 320mbps incoming bandwidth, supports up to 12MP full channel recording; support H.265 compression; 16ch synchronised playback @1080p; support 3rd party cameras ONVIF type; 4K output; minimum 04 SATA HDD Slots; each slot should support upto 10TB HDD; Dual gigabit self adaptive Ethernet interface; serial inteface; USB interface; (all cameras and Storage-NVR should be of same make for the smooth functioning of the system).complete with mounting accessories & junction box (to be provided by OEM) for cable management. Model should be : Certificates of Compliance: UL, CE/FCC, BIS. The CCTV OEM should have CMMI Level 5 or above or equivalent setup certification. The CCTV OEM should have its office and service/ support center in RajasthanAll as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	Each	32,000.00

Code No.	Description	Unit	Complete Rate in INR
27.4	Supply, Installation, Testing & Commissioning of 32 ch NVR Pre-licenced, NVR supports upto 40 TB HDD Support, 32 ch IP inputs; ; Support ANR technology; 320mbps incoming bandwidth, supports up to 12MP full channel recording; support H.265 compression; 16ch synchronised playback @1080p; support 3rd party cameras ONVIF type; 4K output; minimum 04 SATA HDD Slots; each slot should support upto 10TB HDD; Dual gigabit self adaptive Ethernet interface; serial interface; USB interface; (all cameras and Storage-NVR should be of same make for the smooth functioning of the system).complete with mounting accessories & junction box (to be provided by OEM) for cable management. Model should be : Certificates of Compliance: UL, CE/FCC, BIS. The CCTV OEM should have CMMI Level 5 or above or equivalent setup certification. The CCTV OEM should have its office and service/ support center in RajasthanAll as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	Each	38,500.00
27.5	Supply, Installation, Testing & Commissioning of of 3.5" 6 TB SATA ,USB 3.0 Surveillance Hard Disk .All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	Each	14,160.00
27.6	Supply, Installation, testing and commissioning of BIS compliance Professional series Diagonal Screen size 43" LED with Resolution 3,840 x 2,160 (4K UHD) along with Static (Panel) Contrast Ratio (1300:1) or better with viewing angle of 178/178 degree with response time of 8ms along with HDMI In 2.0 - 2 nos., USB 2.0 2 nos., RS 232- 1 nos., RJ 45- 1Nos. with Built in Speaker(10W + 10W) , with high speed processor and android or other reputed operationing system along with 4 GB RAM along with all audio and video decoder, Stand-by / sleep / off mode power 0.5 watt, . All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	Each	38,600.00
27.7	Supply, Installation, Testing & Commissioning of 1 KVA 1 Phase Input,with IGBT Based Rectifier True Online Double Conversion Robust design Wide input voltage range: 160~300VAC @ 100% load (linearly derating to 50% load @ 100VAC input). Generator Compatible with Wide Input voltage window Double Conversion Efficiency >91% & ECO mode efficiency up to 98% 100% load @ 0~40C operating temp. Active Input Power Factor Correction 0.99 O/P power factor 0.9 Inbuilt OVCD (Over Voltage Cut-off device) Fully conform coated PCBA adaptable to harsh environment Offer terminal blocker on 2K/3K rating to connect to big capacity equipment Digital Charger Technology provide 02-10 A charging current Easy understanding LCD for convenient installation setup with Minimum 60 minute battery back up (26AH x 3 Nos of SMF batteries branded and recommended by UPS OEM, battery stand and interlink FR PVC copper cable of appropriate size and lugs), with required cabling for incoming & outgoing connection. UPS should be NABL certified with CE, ROHS & BIS compliance. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	Each	33,250.00
27.8	Supply, Installation, Testing & Commissioning of 2 KVA 1 Phase Input,with GBT Based Rectifier True Online Double Conversion Robust design Wide input voltage range: 160~300VAC @ 100% load(linearly derating to 50% load @ 100VAC input). Generator Compatible with Wide Input voltage window Double Conversion Efficiency >91% & ECO mode efficiency up to 98% 100% load @ 0~40C operating temp. Active Input Power Factor Correction 0.99 O/P power factor 0.9 Inbuilt OVCD (Over Voltage Cut-off device) Fully conform coated PCBA adaptable to harsh environment Offer terminal blocker on 2K/3K rating to connect to big capacity equipment Digital Charger Technology provide 02-10 A charging current Easy understanding LCD for convenient installation setup with Minimum 60 minute battery back up (26AH x 6 Nos of SMF batteries branded and recommended by UPS OEM, battery stand and interlink FR PVC copper cable of appropriate size and lugs), with required cabling for incoming & outgoing connection. UPS should be NABL certified with CE, ROHS & BIS compliance. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	Each	55,000.00

25/11/22