



GOVERNMENT OF RAJASTHAN

**PUBLIC WORKS DEPARTMENT
CITY CIRCLE - JAIPUR**

BASIC SCHEDULE OF RATES 2016

(EFFECTIVE FROM 7th Oct., 2106)

- GENERAL BASIC RATES
- BUILDINGS WORKS
- SANITARY WORKS
- HORTICULTURE WORKS
- MISCELLANEOUS CIRCULARS

AVAILABLE WITH

**EXECUTIVE ENGINEER,
PWD CITY DIVISION – II,
JAIPUR**

Price : **Rs. 600.00**

PREFACE

The basic schedule of Rate 2016 for building works has been prepared as a revision of BSR-2014 for PWD City Circle, Jaipur. The Chief Engineer (NH) PWD Rajasthan has approved the same vide his letter No. SE/NH /BSR/45/D-1411 dated 05.10.2016 Standard pattern of nomenclature for various items of building works has been adopted in preparation of the BSR-2014. It contains almost all items required for building works. Various items are based on standard PWD specification and Bureau of Indian Standard Codes as amended/ revised form time to time and should be read accordingly. It has been prepared on the basis of present prevailing market rates in Jaipur.

Due care has been taken while preparing this BSR-2016 yet it is possible that some typical or other errors might have left. Suggestions for improvement and corrections if any, in this Basic Schedule of Rate of Building Works for Jaipur city are always welcome.

I would like to convey my sincere thanks to Shri Gyan Chand Jethani Executive Engineer, PWD Chief Engineer Office Jaipur, Shri Arun Bhardwaj, Executive Engineer, PWD Chief Engineer Office Jaipur, Shri P.N. Maheshwari, A.En City Circle, Jaipur and Ms Abha Gaur JEn City Circle, for their suggestions and devotion in preparing this BSR 2016 for building works of PWD City Circle, Jaipur.

Special thanks to Er. Akhilesh Gupta present Executive Engineer Cum T.A to S.E. PWD City Circle, for putting enormous efforts by analyzing 49 new items including giving final shape to BSR-2016. His efforts for making the BSR-2016 available in PDF format are also appreciable.

**Sd/-
(Sunil Gupta)
Superintending Engineer,
P.W.D. City Circle,
Jaipur**

**OFFICE OF THE SUPERINTENDING ENGINEER,
P.W.D. CITY CIRCLE, JAIPUR**

No. 1803

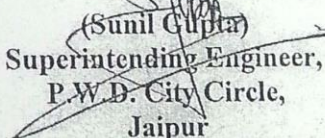
DATE: 07.10.2016

OFFICE ORDER

The Basic Schedule of Rates 2016 (Building Works), P.W.D. City Circle, Jaipur is approved by Chief Engineer (NH) vide his letter No. SE/NH /BSR/45/D-1411 dated 05.10.2016 under clause 30 of schedule of power.

The Basic Schedule of Rates 2016 (Building Works), P.W.D. City Circle, Jaipur is enforced from 07.10.2016 for all building works of P.W.D. City Circle, Jaipur.

Although every care has been taken in preparation of this BSR even then it is enjoined upon all the concerned to please point out the errors and omission if any, observed in this BSR.

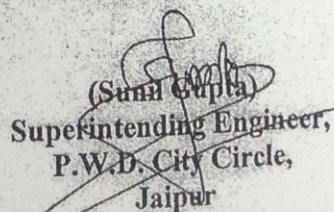

(Sunil Gupta)
Superintending Engineer,
P.W.D. City Circle,
Jaipur

Date:

No.

Copy Submitted/ forwarded to the following for information and necessary action:-

1. The Chief Engineer cum Additional Secretary, PWD, Rajasthan, Jaipur.
2. The Chief Engineer (NH /Building/PMGSY/SS) PWD Rajasthan, Jaipur.
3. The Managing Director RSRDCC Setu Bhawan Jhalana Doongari Jaipur.
4. The Housing Commissioner Rajasthan Housing Board, Jyoti Nagar, Jaipur.
5. The Chief Engineer (Civil) Rajasthan Rajya Vidhut Prasaran Nigam Ltd. Jaipur.
6. The Administrator, Rajasthan State Agriculture Marketing Board, Pant Bhawan Jaipur.
7. The Accountant General, Audit/Inspection Rajasthan Jaipur.
8. The Chief General Manager (P) RIICO, Udyog Bhawan Jaipur.
9. The Commissioner Jaipur Development Authority, Jaipur.
10. The C.E.O. Jaipur Nagar Nigam, Jaipur.
11. The Addl. Chief Engineer, PWD, Zone _____ (All)
12. The Superintending Engineer, PWD City Circle /Rural Circle Jaipur
13. The TA to SE, PWD City circle Jaipur
14. The Executive Engineer, PWD Dn. City Dn. I/II/III//Const/New Delhi.


(Sunil Gupta)
Superintending Engineer,
P.W.D. City Circle,
Jaipur

OFFICE OF THE CHIEF ENGINEER (NH), PWD, RAJASTHAN, JAIPUR

No. SE (NH)/ BSR /45/D-1411

Date: 05/10/2016

Superintending Engineer
 PWD City Circle Jaipur.

Sub: - Building BSR-2016 of PWD City Circle Jaipur.

Sir,

As per the recommendation of BSR Committee, Building BSR-2016 of PWD City Circle Jaipur, wef. from 10.10.2016 is hereby approved during the meeting held on 03.10.2016. You are directed to submit two printed copies for record of this office.

The new BSR-2016 will not affect past contracts/Agreements.

Pointing out errors, omissions/alteration and suggestions if any will be welcomed.

AS
 4963 07/10/16
 2

Yours faithfully,

Anil
 (Anil Kumar Garg)
 Chief Engineer (NH)

Copy to:-

1. PS to Hon'ble PWM Government of Rajasthan.
2. PS to Addl. Chief Secretary PWD Govt. of Rajasthan Jaipur.
3. PS to Secretary PWD Govt. of Rajasthan Jaipur.
4. CE (Road) & AS, PWD Rajasthan Jaipur.
5. Chief Engineer PWD, PMGSY/SS/Building/QC Rajasthan Jaipur.
6. MD, RSRDCC, Jhalana Doogari, Jaipur.

Vinod
 (Vinod Kumar Singh)
 TA to Chief Engineer (NH)

No:- 1866

Date: 17-10-16

Copy to Executive Engineer PWD. city on I/II/III, contn,
 deliv for information & n/a fl.

Sub

OFFICE OF THE SUPERINTENDING ENGINEER, P.W.D. CITY CIRCLE, JAIPUR

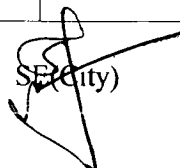
No. 2474

DATE: 14.12.2016

OFFICE ORDER

The additional 49 new items added in Basic Schedule of Rates 2016 (Building Works), P.W.D. City Circle, Jaipur are approved by Chief Engineer (NH) vide his letter No. SE/NH /BSR/45/D-1996 dated 05.12.2016 under clause 30 of schedule of power and following 49 new items are enforced w.e.f. 1.12.2016.

| S. No. | Item Description | Unit | Rate (InRs.) | Remark |
|--------|---|------|--------------|-----------------------------|
| 1. | Providing and fixing of 200mm thick RCC precast panel made of M35 grade concrete with required steel, rebar chair, wire mesh, connection bolt, fastener and beveled washer with crectionready complete in all respect with all lead. | Sqm | 3529/- | Chapter B-4 RCC |
| 2. | Providing and fixing of 150 mm thick RCC precast panel made of M35 grade concrete with required steel, rebar chair, wire mesh, connection bolt, fastener and beveled washer with crection ready complete in all respect with all lead. | Sqm | 3314/- | Chapter B-4 RCC |
| 3. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick particale board with post forming three drawer pedestal unit one KBT or one CPU trolley. Size 4800 x 1500 x 1200mm single seat in combination | Each | 18843/- | Chapter B-16 Aluminium Work |
| 4. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick particale board with four side edage banding one drawer and one open able shutter pedestal unit one KBT or one CPU trolley. Size 6000 x 3000 x 1200mm single seat in combination | Each | 29880/- | Chapter B-16 Aluminium Work |
| 5. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick MDF board with Membrane three drawer pedestal unit one KBT or one CPU trolley. Size 4600 x 2100 x 1200mm single seat in combination | Each | 29794/- | Chapter B-16 Aluminium Work |
| 6. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick particaleboard with post formed three drawer pedestal unit one KBT or one CPU trolley. Size 4500 x 2400 x 1200mm single seat in combination | Each | 27224/- | Chapter B-16 Aluminium Work |
| 7. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick MDF board with Membrane three drawer pedestal unit one KBT or one CPU trolley. Size 6600 x 3000 x 1200mm single seat in combination | Each | 36278/- | Chapter B-16 Aluminium Work |


SE (City)

| | | | | |
|-----|---|------|--------------|-----------------------------|
| 8. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick particale board with post formed one drawer or one open able shutter pedestal unit one KBT or one CPU trolley. Size 4500 x 3000 x 1200mm single seat in combination | Each | 28336/- | Chapter B-16 Aluminium Work |
| 9. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick particale board with post formed three drawer pedestal unit one KBT or one CPU trolley. Size 3600 x 2400 x 1200mm single seat in combination | Each | 21030/- | Chapter B-16 Aluminium Work |
| 10. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick particale board with four side edage banding 1200mm height storage unit with two drawer one KBT or one CPU trolley. Size 1500 x 3000 x 1650mm single seat in combination | Each | 60787/- | Chapter B-16 Aluminium Work |
| 11. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick particale board with post formed three drawer one KBT or one CPU trolley. Size 2100 x 2100 x 1200mm single seat in combination | Each | 10591/- | Chapter B-16 Aluminium Work |
| 12. | Supply and fixing of Modular work Station with Partition 32mm thick Aluminum top 25 mm thick particale board with post formed legas 18mm particle board with four side edage banding one KBT or one CPU trolley. Size 2100 x 2100 x 1200mm single seat in combination | Each | 17307/- | Chapter B-16 Aluminium Work |
| 13. | Supply and fixing of Modular work Station with Partition 60mm thick Aluminum top 25 mm thick particale board with post formed legas 18mm particle board with four side edage banding with three drawer one KBT or one CPU trolley Two 1200mm height storage unit. Size 6000 x 3000 x 1200mm single seat in combination | Each | 190533 /- | Chapter B-16 Aluminium Work |
| 14. | Supply and fixing of Modular work Station with Partition 22mm thick Aluminum top 25 mm thick particale board with post formed one drawer or one open able shutter one KBT or one CPU trolley Two 1200mm height storage unit. Size 3000 x 2700 x 1200mm single seat in combination | Each | 22018/- | Chapter B-16 Aluminium Work |
| 15. | Supply and fixing of Modular work Station with Partition 22mm thick Aluminum top 25mm thick particale board with post formed one drawer or one open able shutter one KBT or one CPU trolley Two 1200mm height storage unit. Size 2400 x 1200 x 1200mm single seat in combination | Each | 18072/- | Chapter B-16 Aluminium Work |

| | | | | |
|-----|--|------|-----------------------------|-----------------------------|
| 16. | Supply and fixing of Modular work Station with Partition 60mm thick Aluminum top 25mm thick particale board with post formed one drawer or one open able shutter one KBT or one CPU trolley Two 1200mm height storage unit. Size 1200 x 1200 x 1200mm single seat in combination | Each | 21286/- | Chapter B-16 Aluminium Work |
| 17. | Supply and fixing of Modular work Station with Partition 22mm thick Aluminum top 25mm thick particale board with post formed one drawer or one open able shutter one KBT or one CPU trolley Two 1200mm height storage unit. Size 2400 x 600 x 1200mm single seat in combination | Each | 21690/- | Chapter B-16 Aluminium Work |
| 18. | Supply and fixing of Modular work Station with Partition 60mm thick Aluminum top 25mm thick particale board with post formed one drawer or one open able shutter one KBT or one CPU trolley Two 1200mm height storage unit. Size 1800 x 1800 x 1950mm single seat in combination | Each | 75961/- | Chapter B-16 Aluminium Work |
| 19. | Cement, Concrete flooring/ cement plaster/ CC Road, Plain or RCC work & water retaining works providing and mixing admixture of Synthetic polypropylene Fibrillated mesh fibers free form any reprocess Olefins & confirming to ASTM C 1116 Type III 4.1.3 Having grade 6mm/12mm melting point of 165 deg.C., strength>600 mpa Sp. Gravity:0.92g/cc, diameter 10-70 microns. It is required in specified ratio @ 0.25% (125 Gm. Fibers in 50 Kg. cement) for use. Mix it directly with contents in rotating site mixer direction of Engineer in charge with all leads and lifts. | Each | 58/- Per pack 125 Gm. | Chapter B-3 CC Work |
| 20. | Supply and installation of Multi Rib Proofing/cladding Sheet Manufacture out of 0.50mm TCT (Total Coated Thickness) high tensile Zinc aluminum alloy coated galvaiumeseel (as per 150gsm zinc aluminum coated 550Mpa tuekd strength) confirming to IS: 1397/astm A-792 sheet to have wide pens 30mm high NB at 250 centre and centre width of 1020mm shets be casted with regular modified plyster system on a continuous with line on centre for face and with a polyster coating respectively sheet shall have proportionality with siphoned plate at made at to prevent lrakage sheet shall be fixed by more of sell drilling lift tapping hot dip zinc coated hox head fasterner of size 12x14x55mm long. The sheet shall be supplied in cost one length and foe a minimum up to 12mts with all scaffolding. | Sqm | 626/- | Chapter New Item |
| 21. | <u>Supply and Installation of ROOF – PREFABRICATED INSULATED PPGL FACE PANEL:</u> Roof: Insulated sandwich panels for roof of total thickness mentioned below exclusive of crest | | | Chapter New Item |

| | | | | |
|-----|--|------|------------------|---------------------|
| | <p>height of top corrugation. Panel shall be made of 0.50mm (+/-0.04mm) thick pre coated metal sheet on both sides of rigid polyurethane insulation. The top external facing metal sheet shall have corrugated shape with crest. The trapezoidal shape crowns/crest height should not be less than 30mm. The pre-coated metal sheet shall be PPGL (Pre Painted Galvalume Sheet with AZ coating) sheet having SDP (Super Durable Polyester) colour coat of 18 micron (min). The bottom sheet must have tongue and groove type flange (U shape) of 8mm x 8mm on groove side and 8mm x 12mm on tongue side. Flange must be on lengthwise sides for joining adjacent panels. Panel's bottom side PPGL sheet must also be pre-strengthened by full lengthwise stiffening with semi-circular beading of 12mm width & 3 to 4mm depth at 240 (+/-5) mm pitch. The top corrugated sheet must have at-least one open crown/crest for overlapping adjacent panel widthwise. Similarly the top corrugated sheet must have suitable open extension of min 6" on bottom widthwise side of panel for overlapping further panels joined lengthwise also. The insulation core shall be self-extinguishing DIN 4102, Class B3 fire retardant class rigid PUR with thermal conductivity of 0.025 W/mK and with initial density of 40kg/m³ (+/-2kg) suitable for temperature range of -30 degree C to +80 degree C. The panel must be made using glue-free high pressure hot pressing self-bonding method. PPGL sheet on both sides of panel shall have a min 15 micron protective plastic guard film to avoid scratches during transportation.</p> <p>Thickness 65mm (+/- 2mm) Thickness 105mm (+/- 2mm)</p> | | | |
| | | Sqm. | 2292/- 2593/- | |
| 22. | <p><u>Supply and Installation of WALL - PREFABRICATED INSULATED PPGL PANEL:</u></p> <p>Walls: Insulated sandwich panels for wall of total thickness mentioned below. Panel shall have 0.50mm (+/-0.04mm) thick pre coated metal sheet on both sides of rigid PUR insulation. The pre-coated metal sheet shall be PPGL (Pre Painted Galvalume Sheet with AZ coating) sheet</p> | | | Chapter New Item |

| | | | | |
|-----|---|------|------------------|---------------------|
| | <p>having SDP (Super Durable Polyester) colour coat of 18 micron (min). The panels shall be vertically joined together with adjacent panel by tongue and groove joints. For joining, wall panel's metal sheet facings must have lengthwise flange (U shape) of 8mm x 8mm on groove side and 8mmx12mm on tongue side of panel. The pre-coated metal sheet (PPGL) must also be pre-strengthened by full lengthwise stiffening with semi-circular beading of 12mm width & 3 to 4mm depth at 240 (+/-5) mm pitch. Panels may have optional provision for inbuilt electrical conduit running lengthwise at vertical center of specified panels. The insulation core shall be self-extinguishing DIN 4102, Class B3 fire retardant class rigid PUR with thermal conductivity of 0.025 W/mK and with density of 40kg/m³ (+/-2kg) suitable for temperature range of -30 degree C to +80 degree C. The panel must be made using glue-free high pressure pressing self-bonding method. PPGL sheet on both sides of panel shall have a min 15 micron protective plastic guard film to avoid scratches during transportation.</p> <p>Thickness 55mm (+/- 2mm) Thickness 65mm (+/- 2mm)</p> | | | |
| 23. | <p><u>Supply and Installation of WALL - PREFABRICATED INSULATED CEMENT FACE PANEL:</u></p> <p>Factory-readymade structural reinforced insulated wall panel of thickness mentioned below. Panel shall be made of 6mm (+/-0.6mm) thick asbestos-free fiber cement sheet/ Cement bonded particle board as per IS:14276:1995 on both sides of rigid PUR insulation. The wall panel shall be vertically joined together with adjacent panel by biscuit joints lengthwise with suitable construction adhesive. Joining member (biscuit) shall be made of approx 12mm thick cement sheet /Cement bonded particle board as per IS:14276:1995. Panels may have optional provision for inbuilt electrical conduit running lengthwise at vertical center of specified panels. Both vertical lengthwise sides of panels must have full length MS tubes of min 1.0mm thickness for better structural strength. The final panel surface must</p> | Sqm. | 2109/- 2292/- | Chapter New Item |

| | | | | |
|-----|---|------|------------------|---------------------|
| | <p>be free from undulations. The Insulating core shall be self-extinguishing DIN 4102, Class B3 fire retardant class rigid PUR with thermal conductivity of 0.025 W/mK and with density of 40kg/m³ (+/-2kg) suitable for temperature range of -30 degree C to +80 degree C. The panel must be made using glue-free high pressure hot pressing self-bonding method and shall be free from major surface undulations.</p> <p>Thickness 65mm (+/- 2mm) Thickness 75mm (+/- 2mm)</p> | Sqm. | 2292/- 2410/- | |
| 24. | <p><u>Supply and Installation of WALL - PREFABRICATED INSULATED LAMINATED FACE PANEL:</u></p> <p>Factory-readymade interior wall panel of thickness mentioned below. The panels shall have suitable provision for joining adjacent panels. Interior panels may have optional provision for inbuilt electrical conduit running lengthwise at vertical center of specified panels. The insulation core shall be self-extinguishing DIN 4102, Class B3 fire retardant class rigid PUR with thermal conductivity of 0.025 W/mK and with density of 40kg/m³ (+/-2kg) suitable for temperature range of -30 degree C to +80 degree C. The panel must be made using glue-free high pressure hot pressing self-bonding method and shall be free from major surface undulations. both sides of panel shall have a min 15 micron protective plastic guard film to avoid scratches during transportation.</p> <p>1. Panel shall be made of min 4mm (+/- 0.5mm) thick laminated wood based medium density fiber board sheet on both sides of rigid PUR insulation.</p> <p>Thickness 65mm (+/- 2mm) Thickness 75mm (+/- 2mm)</p> | Sqm. | 2410/- 2528/- | Chapter New Item |
| 25. | <p><u>Supply and Installation of SMALL ROOM (TOILET & GUARD ROOM) -</u></p> | | | Chapter New Item |

| | | | | |
|------|--|--------------|------------------|---------------------|
| | <p><u>PREFABRICATED INSULATED PPGL FACE PANEL:</u></p> <p>Insulated closed lip panels (for door, wall and roof) of thickness mentioned below. Panel shall have 0.50mm (+/-0.04mm) thick pre-coated metal sheet on both sides of rigid PUR insulation. The pre-coated metal sheet shall be PPGL (Pre Painted Galvalume Sheet with AZ coating) sheet having SDP (Super Durable Polyester) colour coat of 18 micron(min). The Pre coated metal sheet on both sides must be pre-strengthened by full lengthwise stiffening with semi-circular beading of 12mm wide & 3mm depth at 240 (+/-5) mm pitch. Panels shall have closed lengthwise sides made by right angle flange on both side of Pre coated metal sheets, free from cap type covers. The top and bottom part on widthwise sides of panels must have full width MS Square tube insert of (min 25mm x 1.0mm) for better screw retention and strength. The insulation core shall be self-extinguishing DIN 4102, Class B3 fire retardant class rigid PUR with thermal conductivity of 0.025 W/mK and with density of 40kg/m3 (+/-2kg) suitable for temperature range of -30 degree C to +80 degree C. The panel must be made using glue-free high pressure hot pressing self-bonding method free from major undulations. PPGL sheet on both sides of panel shall have a min15 micron protective plastic guard film to avoid scratches during transportation.</p> <p>Thickness of 32mm (+/-2mm) Thickness of 50mm (+/-2mm)</p> | | | |
| | | Sqm. Sqm. | 2055/- 2206/- | |
| 26. | <u>Accessories Supply and Installation of (Labour rate included in main item)</u> | | | Chapter New Item |
| (i) | <p><u>Bottom and Top U track :</u></p> <p>U-track for mounting panels with floor. The channel shall be made from minimum 1.15 mm thick PPGL sheet with flange height of minimum 35 mm and width as per thickness of panel used.</p> | RMT | 200/- | Chapter New Item |
| (ii) | <p><u>Flashings (inner and outer):</u></p> <p>Corner angle flashings of equal shape for covering various corners and open sides of panels. Flashings shall be made from 0.5mm thick pre-coated PPGL sheet in following sizes: 50mm x 50mm</p> | | | Chapter New Item |

| | | | | |
|--------|--|------|--------------------|----------------------|
| | 100mm x 100mm | RMT | 150/- 200/- | |
| (iii) | Roof Ridge Cap: Ridge flashing for roof panels shall be made from 0.5mm thick pre-coated PPGL sheet of 200mm x200 mm. | RMT | 200/- | Chapter New Item |
| (iv) | Roof Front Corrugated Cap: Front side flashing for roof panels (corrugated trapazodial shape) shall be made from 0.5mm thick pre-coated PPGL sheet. | RMT | 200/- | Chapter New Item |
| (v) | Roof End Cap: End cap for closing ends of roof panels made from 0.5mm thick PPGL sheet. | RMT | 150/- | Chapter New Item |
| (vi) | Frame for Door/Window: Frame shall be made out of min 1.15mm thick press steel sheet. | RMT | 200/- | Chapter New Item |
| (vii) | Panel End Caps: U or L shape caps suitable for thickness of panel used, with 30mm flange. It should be made from 0.5mm Pre coated PPGL sheet. | RMT | 100/- | Chapter New Item |
| (viii) | Self Drilling Screws: 5" 3.5" 1" | Each | 12/- 9/- 5/- | Chapter New Item |
| (ix) | Adhesives | KG. | 180/- | Chapter New Item |
| 27 | Supply and fixing of Cement Bonded Particle Board (as per IS 14276) false ceiling using 6MM thick Cement Board with galvanized and pre painted steel T section of size 24mm x 27mm x 0.4mm for main T duty pre punched to accept cross T section of size 24mm x 25mm x 0.4mm duly punched at both ends for insertion into main T. The grid size will be 610mm x 610mm. The frame work (grid) is suspended to the roof by using G.I flat of 0.60mm or 14-gauge G.I wire with necessary fixers to the roof and frame work. Cement Board panel is laded on the grid. The cost inclusive of necessary hardware, labor, one coat of primer (Both side) and two coats of smooth finish on visible side. | Sqm | 594/- | Chapter New Item |
| 28 | Supply and fixing of Cement Bonded Particle Board (as per 14276) wall paneling using 10 MM thick Cement Board with frame work made of GI stud section of size 48mm x 35mm x 0.55mm thick placed at every 610 mm C/C intervals vertically and at 1200mm internals horizontally fixed to the wall by means of self expansion screws and caps. Cement Board panel is to be fixed to frame by means of self taping screws placed at every 300 mm intervals leaving 3mm gap between two panels. The cost inclusive | Sqm | 1526/- | Chapter New Items |

| | | | | |
|-----|--|-----|--------|------------------|
| | of one coat of Altek primer and two coats of Altek smooth finish and cost & conveyance of all materials, labor charges etc. complete as per the direction of Engineer in charge. | | | |
| | Supply and fixing of Cement Bonded Particle Board (as per 14276) double skin partition using with 10 MM thick Cement Board made out of G.I. track section of size 50mmx 35mm x 0.55 mm for fixing to the roof and floor and stud section of size 48mm x 35mm x 0.55mm placed in track section vertically at 610mm intervals and at 1200mm intervals horizontally fixed to the wall by means of self expansion screws and caps to the wall and roof. Cement Board panel is to be fixed both sides of frame work by using self taping screws fixed at every 300mm intervals to the frame work leaving 3 mm gap between two panels. The cost inclusive with one coat of Altek primer and two coats of Altek smooth finish and cost and conveyance of all materials to site, labor charges etc., complete as per the direction of Engineer in charge. | Sqm | 2208 | Chapter New Item |
| 29 | | | | |
| 30 | Supply and fixing of Factory Laminated Cement Bonded Particle Board double skin partition using with 10MM Factory Laminated Cement Bonded Board made out of G.I track section of size 50 mm x 35mm x 0.55mm for fixing to the roof and floor and stud section of size 48mm x 35mm x 0.55mm placed in track section vertically at 610mm intervals and at 1200mm internals horizontally. The frame is fixed by means of self expansion screws and caps to the wall / roof. Laminated Cement Bonded Particle Board is to be fixed both sides of the frame work by using 2mm thick electro plated CR flat section leaving 3mm gap between two panels. The cost inclusive of cost and conveyance of all materials to sites, other materials incidentals and labor charges as per the direction of Engineer in charges. | Sqm | 3092/- | Chapter New Item |
| 31. | Supply and fixing of Bath room / Toilet door shutter with 16mm Factory Laminated Cement Bonded Particle Board BISON Lam (IS 14276) door shutter with all-round 'U' lipping of PPS section of size 12mm X 18mmX 12mmX0.6mm thickness with a hardware of 12mm dia X200mm long aluminum aldop – 2 nos2 No of 125mm long handles and also 3 no Of IS304 grade Patee Hinges 3mmX12mmX180mm long with pole receiver of 10mm dia pole X40mm long welded on 2mm X40mm(ss304) plates works as receiver for RT patte hinges. The price inclusive of all material at site. | Sqm | 2188/- | Chapter New Item |
| 32 | Solid Rectanquar Block (400x200x200, 400x200x100, 400x200x150, | | | |

| | | | | |
|-----------|---|-----|--------|------------------|
| | 225x200x100) | | | |
| | Providing and fixing up to floor five level of cement concrete solid blocks (M-20 Grade) of different sizes (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 Coarse Sand), cost of required centering, shuttering complete. | Cum | 9370/- | Chapter New Item |
| 33 | Hollow Rectangular Block (400x200x200, 400x200x100) | | | |
| | Providing and fixing up to floor five level of cement concrete Hollow Rectangular blocks of different sizes (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 Coarse Sand), cost of required centering, shuttering complete. | Cum | 6675/- | Chapter New Item |
| 34 | Insulated Rectangular Block (400x200x200 mm) | | | |
| | Providing and fixing up to floor five level of cement concrete insulated blocks of different sizes having a layer of polysterene as insulating material (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing | Cum | 9920/- | Chapter New Item |

| | | | | |
|-----------|---|------|--------|------------------|
| | action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 Coarse Sand) including cost of required centering, shuttering complete. | | | |
| 35 | Interlocking Paver Blocks having 80 mm thickness in M-40 grade concrete | | | |
| | Providing and Laying 80 mm thick cement concrete blocks of M-40 Grade (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds(Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) spreading 25mm thick sand underneath and filling joints with sand on existing W.B.M.base, as per IS15658:2006 and all materials shall conform to MoRTH Specification Clause 602. | Sqm. | 1100/- | Chapter New Item |
| 36 | Interlocking Paver Blocks having 100 mm thickness in M-50 grade concrete | | | |
| | Providing and Laying 100 mm thick cement concrete blocks of M-50 Grade(Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) spreading 25mm thick sand underneath and filling joints with sand on existing W.B.M.base, as per IS15658:2006 and all materials shall conform to MoRTH Specification Clause 602. | Sqm. | 1289/- | Chapter New Item |
| 37 | Interlocking Paver Blocks having 120 mm thickness in M-50 grade concrete | | | |
| | Providing and Laying 120 mm thick cement concrete blocks of M-50 Grade(Manufactured with fully mechanised dry cast process with | Sqm | 1424/- | Chapter New Item |

| | | | | |
|-----------|--|------|--------|------------------|
| | forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) spreading 25mm thick sand underneath and filling joints with sand on existing W.B.M.base, as per IS15658:2006 and all materials shall conform to MoRTH Specification Clause 602. | | | |
| 38 | Interlocking Paver Blocks having 100 mm thickness in M-55 grade concrete | | | |
| | Providing and Laying 100 mm thick cement concrete blocks of M-55 Grade (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) spreading 25mm thick sand underneath and filling joints with sand on existing W.B.M.base, as per IS15658:2006 and all materials shall conform to MoRTH Specification Clause 602. | Sqm | 1389/- | Chapter New Item |
| 39 | Interlocking Paver Blocks having 120 mm thickness in M-55 grade concrete | | | |
| | Providing and Laying 120 mm thick cement concrete blocks of M-55 Grade (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) spreading 25mm thick sand | Sqm. | 1489/- | Chapter New Item |

| | | | | |
|----|--|------|--------|------------------|
| | underneath and filling joints with sand on existing W.B.M.base, as per IS15658:2006 and all materials shall conform to MoRTH Specification Clause 602. | | | |
| 40 | <u>Kerb Stones of 1200x300x150, 1000x450x150, 1000x600x150, 600x300x150 size (M-30)</u> | | | |
| | Providing and Laying cement concrete Kerb Stones of different sizes in M-30 grade (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) in position to the required line, level and curvature jointed with cement mortar 1:3 (1 Cement : 3 Coarse sand) including making of joints, drainage opening wherever required. | Cum | 8572/- | Chapter New Item |
| 41 | <u>Kerb Stones of 1200x300x150, 1000x400x150, 1000x600x150, 600x300x150 size (M-40)</u> | | | |
| | Providing and Laying cement concrete Kerb Stones of different sizes in M-40 grade (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) in position to the required line, level and curvature jointed with cement mortar 1:3 (1 Cement : 3 Coarse sand) including making of joints, drainage opening wherever required. | Cum | 9067/- | Chapter New Item |
| 42 | <u>Cellular Concrete Block for Pitching and garden paths (600x400x80) in M-30</u> | | | |
| | Providing and fixing Cellular concrete blocks (M-30 Grade), 600x400x80 mm sizes (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c | Sqm. | 739/- | Chapter New Item |

| | | | | |
|-----------|--|------|-------|---------------------|
| | ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 Coarse Sand), cost of required centering, shuttering complete. | | | |
| 43 | <u>Pre Cast Concrete Flooring (Slab 600x600x100, 1000x650x100)</u> | | | |
| | Providing and fixing Precast concrete flooring slabs (M-30 Grade) of different sizes(Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 Coarse Sand), cost of required centering, shuttering complete and spreading 25mm thick sand underneath. | Sqm. | 894/- | Chapter New Item |
| 44 | <u>Pre Cast U/Semi circular Drains (Outer size 600x400 mm, wall thickness 80 mm)</u> | | | |
| | Providing and fixing Precast concreteUdrains (M-30 Grade) of different sizes (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with Steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiplesynchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 Coarse Sand), cost of required centering, | R.M. | 417/- | Chapter New Item |

| | | | | |
|-------|--|-----|--------------------------|--|
| | shuttering complete and spreading 25mm thick sand underneath. | | | |
| 45 | Providing, hoisting and fixing up to floor five level precast reinforced concrete work in Nominal M20 grade mix including cost of required centering, shuttering, finishing, smooth with 6 mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surface complete excluding cost of reinforcement | | | |
| | <u>Beams, Columns, slabs, Shelves, Vertical & horizontal fins individually or forming box louvers setting in cement mortar 1:2 (1 cement: 2 sand) or grouts as per requirements</u> | Cum | Already in BSR no change | Correction in nomenclature to Chapter 4.16.5 |
| 46. | Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades ceramic glazed vitrified tiles with water absorption less than or equal to 0.08% confirming to IS:13753 & IS : 15622 of size 600mm x 600 mm , 800mm x 800mm, 600mm x 1200mm, 800mm x 1200mm, 196 mmx1215mm,1000mm x 2000mm, in floors, steps etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (excluding the cost of cement plaster on walls and pillar). | | | Chapter B-7 Tiles Work |
| (i) | Size 600mm x 600mm | Sqm | 1098/- | |
| (ii) | Size 800mm x 800mm | Sqm | 1150/- | |
| (iii) | Size 600mm x 1200mm | Sqm | 1330/- | |
| (iv) | Size 800mm x 1200mm | Sqm | 1659/- | |
| (v) | Size 196mm x 1215mm | Sqm | 1658/- | |
| (vi) | Size 1000mm x 2000mm | Sqm | 3447/- | |
| 47. | Providing and fixing 1st quality MAT & GLOSSY finished ceramic tile size 300x600 mm, 250x1000 mm, 300x450mm, 250 x 375mm, 200 x 600mm confirming to IS : 13755 and IS : 15622 colour such as white, grey, ivory, fume red brown, light green, light blue and other light shades in floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (including the cost of cement mortar bed 1:4). | | | Chapter B-7 Tiles Work |
| (i) | Size 250mm x 375mm | Sqm | 661/- | |
| (ii) | Size 300mm x 450mm | Sqm | 735/- | |
| (iii) | Size 200mm x 600mm | Sqm | 783/- | |
| (iv) | Size 300mm x 600mm | Sqm | 813/- | |
| (v) | Size 250mm x 1000mm | Sqm | 981/- | |
| 48. | P & F 1st quality Vitrified Polished tiles on floor, skirting and steps etc. in different sizes (thickness minimum 10mm) with water absorption less than or equal to 0.08% and conforming to IS 15622 of approved make in all colour and shade, laid with | | | Chapter B-7 Tiles Work |

| | | | | |
|------|---|-----|--------|------------------------|
| | 20 mm thick CM 1:4 including grouting the joints with white cement and matching pigment etc complete. | | | |
| (i) | Size 800mm x 800mm | Sqm | 1045/- | |
| (ii) | Size 800mm x 1200mm | Sqm | 1150/- | |
| 49. | P & F 1st quality Heavy Duty Vitrified Polished Digital tiles on floor, skirting and steps etc.in different sizes (thickness minimum 10mm) with water absorption less than or equal 0.08% and conforming to IS 15622 of approved make in all colour and shade, laid with 20 mm thick CM 1: 4 including grouting the joints with white cement and matching pigment etc complete. | | | Chapter B-7 Tiles Work |
| (i) | Size 298mm x 298mm | Sqm | 641/- | |

Although every care has been taken in preparation of this BSR even then it is enjoined upon all the concerned to please point out the errors and omission if any, observed in this BSR.



 (Sunil Gupta)
 Superintending Engineer,
 P.W.D. City Circle,
 Jaipur

No. 2474

Date: 14.12.2016

Copy Submitted/ forwarded to the following for information and necessary action:-

1. The Chief Engineer cum Additional Secretary, PWD, Rajasthan, Jaipur.
2. The Chief Engineer (NH /Building/PMGSY/SS) PWD Rajasthan, Jaipur.
3. The Managing Director RSRDCC Setu Bhawan Jhalana Doongari Jaipur.
4. The Housing Commissioner Rajasthan Housing Board, Jyoti Nagar, Jaipur.
5. The Chief Engineer (Civil) Rajasthan Rajya Vidhut Prasaran Nigam Ltd. Jaipur.
6. The Administrator, Rajasthan State Agriculture Marketing Board, Pant Bhawan Jaipur.
7. The Accountant General, Audit/Inspection Rajasthan Jaipur.
8. The Chief General Manager (P) RIICO, Udyog Bhawan Jaipur.
9. The Commissioner Jaipur Development Authority, Jaipur.
10. The C.E.O. Jaipur Nagar Nigam, Jaipur.
11. The Addl. Chief Engineer, PWD, Zone _____ (All)
12. The Superintending Engineer, PWD City Circle /Rural Circle Jaipur
13. The TA to SE, PWD City circle Jaipur
14. The Executive Engineer, PWD Dn. City Dn. I/II/III/Const/New Delhi.


 (Sunil Gupta)
 Superintending Engineer,
 P.W.D. City Circle,
 Jaipur

OFFICE OF THE CHIEF ENGINEER (NH), PWD, RAJASTHAN, JAIPUR

No. SE (NH)/ BSR /45/D- 1996

Date: 5/12/2016

Superintending Engineer
PWD City Circle Jaipur.

Sub: - Introducing 49 new items in Building BSR 2016 of PWD City Circle Jaipur.

Sir,

As per the recommendation of BSR Committee, approval of draft Introducing 49 new items in Building BSR 2016 of PWD City Circle Jaipur, w.e.f. From 01.12.2016 is hereby approved during the meeting held on 30.11.2016. Concerned SE is directed to submit two copy of printed BSR to this office at the earliest for record. It is also directed to provide a soft copy of so compiled Building BSR-2016 in PDF format to this office for record. The new introducing 49 new items in Building BSR 2016 will not affect past contracts /Agreements.

Pointing out errors, omissions/ alteration and suggestions if any will be welcomed.

Yours faithfully,



(Anil Kumar Garg)
Chief Engineer (NH)

Copy to:-

1. PS to Hon'ble PWM Government of Rajasthan.
2. PS to Addl. Chief Secretary PWD Govt. of Rajasthan Bikaner.
3. PS to Secretary PWD Govt. of Rajasthan Jaipur.
4. PS to CE (Road) & AS, PWD Rajasthan Jaipur.
5. Chief Engineer PWD, PMGSY/SS/Building/QC Rajasthan Jaipur.
6. MD, RSRDCC, Jhalana Doogari, Jaipur.



(Vinod Kumar Singh)
TA to Chief Engineer (NH)