

ਵਲੋਂ

ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਹੈਡ ਕੁਆਟਰ) ਕਮ-ਕਨਵੀਨਰ
ਡਾਇਰੈਕਸ਼ਨ ਕਮਿਟੀ ਆਫ਼ ਈਥ ਇੰਜੀਨੀਅਰਜ਼
ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭਵਨ ਭੇ ਮਾਰਗ ਸਾਖਾ,
ਪਟਿਆਲਾ।

A & C Slip No.6 on CSR-3310

1. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਕੋਲ, ਕੇ.ਓ.), ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭ ਭੇ ਮ, ਨਿਰਮਾਣ ਭਵਨ, ਮਿਨੀ ਸਕੱਤਰੇਤ, ਪਟਿਆਲਾ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0175-2362545	2. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਆਈ.ਪੀ.), ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭ ਭੇ ਮ ਸਾਖਾ, ਐਸ.ਸੀ.ਓ. ਨੰ: 341-42, ਸੈਕਟਰ-34-2, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0172-2665573, 2665595
3. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਕੋਲ, ਕੇ.ਓ.), ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭ ਭੇ ਮ, ਨਿਰਮਾਣ ਭਵਨ, ਮਿਨੀ ਸਕੱਤਰੇਤ, ਪਟਿਆਲਾ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0175-2356293	4. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਦੀਪਟ), ਪੰਜਾਬ, ਵਾਟਰ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ, ਮਾਲ ਰੋਡ, ਪਟਿਆਲਾ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0175-2212039
5. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਕੋਲ, ਕੇ.ਓ.), ਪੰਜਾਬ, ਸਿੰਚਾਈ ਵਿਭਾਗ, ਹਾਈਡਰਾ ਭਵਨ, ਸੈਕਟਰ-18, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0172-2549130	6. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਡਾਇਰੈਕਸ਼ਨ), ਪੰਜਾਬ, ਸਿੰਚਾਈ ਵਿਭਾਗ, ਸਿੰਚਾਈ ਭਵਨ, ਸੈਕਟਰ-18, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0172-2545615, ਫੈਕਸ-0172-2379903
7. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਹਾਈਡਰਾ), ਪੰਜਾਬ, ਸਿੰਚਾਈ ਵਿਭਾਗ, ਹਾਈਡਰਾ ਭਵਨ, ਸੈਕਟਰ-18, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0172-2724266	8. ਮੁੱਖ ਇੰਜੀਨੀਅਰ, ਲੋਕਲ ਚਾਕੀਰ, ਪੰਜਾਬ, ਐਸ.ਸੀ.ਓ. ਨੰ: 131-32, ਸੈਕਟਰ-17-ਸੀ, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ) ਫੋਨ 0172-2728241, ਫੈਕਸ 0172-2701298
9. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਪ੍ਰਿੰਟਰ), ਪੰਜਾਬ ਸਟੇਟ ਅਗਰੀਕਲਚਰਲ ਮਾਰਕੀਟਿੰਗ ਬੋਰਡ, ਐਸ.ਸੀ.ਓ. ਨੰ: 140-52 ਸੈਕਟਰ-17-ਸੀ, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0172-2704930, ਫੈਕਸ-0172-2709120	10. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਪ੍ਰਿੰਟਰ), ਪ੍ਰਿੰਟਰ ਚੰਪਲੈਕਸ ਫੋਨ-0, ਐਸ.ਟੀ.ਓ. ਰੋਡ, ਮੁਹਾਲੀ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0172-2215400
11. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਸਿੱਧਰ), ਪੀ.ਐਸ.ਪੀ.ਸੀ. ਐਲ., ਰੀ-4, ਸ਼ੁਕਰੀ ਵਿਭਾਗ, ਪਟਿਆਲਾ, (ਸਿੱਧਰ) ਫੋਨ 0175-2211396	12. ਮੁੱਖ ਇੰਜੀਨੀਅਰ ਵਾਟਰ ਸਪਲਾਈ ਅਤੇ ਸਿਵਰੇਜ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ)
13. ਸੀਨੀਅਰ ਡਿਪਟੀ ਅਗਰੀਕਲਚਰਲ (ਸੈਕਸ਼ਨ), ਆਫਿਸ ਆਫ ਅਗਰੀਕਲਚਰਲ (ਟੇ ਐਂਡ ਟੀ), ਪੰਜਾਬ ਐਂਡ ਯੂ.ਪੀ. ਸੈਕਟਰ-17-ਈ, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0172-2702272	14. ਡਿਪਟੀ ਸਕੱਤਰ ਪੰਜਾਬ ਸਰਕਾਰ, ਫਾਈਨੈਂਸ (ਕੇ) ਵਿਭਾਗ, ਮਨ ਸੈਕਟਰੀਏਟ, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ)
15. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਸਿੱਧਰ), ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭ ਭੇ ਮ, ਨਿਰਮਾਣ ਭਵਨ, ਮਿਨੀ ਸਕੱਤਰੇਤ, ਪਟਿਆਲਾ ਫੋਨ ਨੰ: 0175-236254	16. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਸਿੱਧਰ-2), ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭ ਭੇ ਮ, ਨਿਰਮਾਣ ਭਵਨ, ਮਿਨੀ ਸਕੱਤਰੇਤ, ਪਟਿਆਲਾ ਫੋਨ ਨੰ: 0175-2364133
17. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਸਿੱਧਰ), ਪੰਜਾਬ, ਵਾਟਰ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ, ਮਾਲ ਰੋਡ, ਪਟਿਆਲਾ ਫੋਨ ਨੰ: 0175-2212035	18. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਸਿੱਧਰ), ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭ ਭੇ ਮ, ਮਿਨੀ ਸਕੱਤਰੇਤ, ਸੈਕਟਰ-9, ਚੰਡੀਗੜ੍ਹ ਫੋਨ ਨੰ: 0172-2742239
19. ਇੰਜੀਨੀਅਰ ਜਨਰਲ ਸੀ.ਐਸ. ਫਾਈਨੈਂਸ (ਰਿਟਾ.), ਤਕਨੀਕੀ ਸਲਾਹਕਾਰ, ਮੁੱਖ ਮੰਤਰੀ, ਪੰਜਾਬ, ਐਸ.ਸੀ.ਓ. ਨੰ: 61-62, ਫੇਜ਼-2, ਪੀ.ਆਰ.ਬੀ.ਡੀ.ਬੀ. ਸਿੰਘਾਈ ਫੋਨ ਨੰ: 0172-6626606	20. ਮੁੱਖ ਇੰਜੀਨੀਅਰ, ਟੈਕਨੀਕਲ ਸਾਗਰ ਫੈਮ (ਡਿਜਾਇਨ), ਹਾਈਡਰਾ ਵਿਲਡਿੰਗ, ਸੈਕਟਰ-18, ਚੰਡੀਗੜ੍ਹ (ਸਿੱਧਰ) ਫੋਨ ਨੰ: 0172-2727632
21. ਮੁੱਖ ਇੰਜੀਨੀਅਰ, ਭਾਖਰਾ ਸਿਅਮ ਮੈਨੇਜਮੈਂਟ ਬੋਰਡ, ਐਸ.ਐਲ.ਡੀ.ਸੀ ਚੰਪਲੈਕਸ, ਇੰਡਸਟਰੀਅਲ ਏਰੀਆ ਫੇਜ਼-1, ਸੈਕਟਰ 28, ਚੰਡੀਗੜ੍ਹ ਫੋਨ ਨੰ: 0172-2654990, ਫੈਕਸ-0172-2640832	22. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਦੀਪਟ) ਪੰਜਾਬ ਸਟੇਟ ਅਗਰੀਕਲਚਰਲ ਮਾਰਕੀਟਿੰਗ ਬੋਰਡ, ਐਸ.ਸੀ.ਓ. ਨੰ: 149-12 ਸੈਕਟਰ-17-ਸੀ, ਚੰਡੀਗੜ੍ਹ ਫੈਕਸ 0172-5039109, ਫੈਕਸ-0172-2709120
23. ਮੁੱਖ ਇੰਜੀਨੀਅਰ-ਕਮ-ਮੁੱਖ ਚੌਕਸੀ ਅਫਸਰ, ਕੁਆਲਟੀ ਕੰਟਰੋਲ ਸੈਲ, ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭ ਭੇ ਮ ਸਾਖਾ, ਐਸ.ਸੀ.ਓ. ਨੰ: 55-56, 3rd ਫੇਜ਼, ਸੈਕਟਰ 17-ਸੀ, ਚੰਡੀਗੜ੍ਹ ਫੋਨ ਨੰ: 0172-2704613	24. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਪੀ.ਆਰ.ਬੀ.ਡੀ.ਬੀ.), ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭ ਭੇ ਮ ਸਾਖਾ, ਐਸ.ਸੀ.ਓ. ਨੰ: 61-62, ਫੇਜ਼-2, ਮੁਹਾਲੀ ਫੋਨ ਨੰ: 0172-6626633, 6626655

25. ਮੁੱਖ ਇੰਜੀਨੀਅਰ, ਪੰਜਾਬ, ਪੁਲਿਸ ਹਾਈਲਿੰਗ ਕਾਰਪੋਰੇਸ਼ਨ, ਐਸ.ਐੱਚ. ਨੰ: 171-72, ਸਿਕਟਰ 8-ਸੀ, ਚੰਡੀਗੜ੍ਹ ਫੋਨ ਨੰ: 0173-5041971, ਫੈਕਸ 0172-5041972	25. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਉੱਤਰ), ਵਾਟਰ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ, ਮਾਨ ਰੋਡ, ਪਟਿਆਲਾ ਫੋਨ ਨੰ: 0175-212029, ਫੈਕਸ- 0173-2212031
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ਮੀਮੋ ਨੰ: 7274- 7299 /ਸੀ.ਐਸ.ਆਰ ਮਿਤੀ: 10-12-2014
ਵਿਸ਼ਾ:- ਏ.ਐੱਫ ਸੀ. ਸਲਿੱਪ ਨੰ:6 ਆਨ ਸੀ.ਐਸ.ਆਰ-2010 ਜਾਰੀ ਕਰਦੀ।

ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਚੰਡੀਗੜ੍ਹ), ਜਲ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ ਪਟਿਆਲਾ ਦੇ ਮੀਮੋ ਨੰ: 28358 ਮਿਤੀ 02-05-2014 ਅਤੇ ਮੀਮੋ ਨੰ: 32891 ਮਿਤੀ 14-10-2014 ਵਾਲੀ ਜਲ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ ਨਾਲ ਸਬੰਧਤ ਸੀ.ਐਸ.ਆਰ-2010 ਵਿੱਚ ਸੋਧ ਕਰਨ ਲਈ ਸਿਫਾਰਸ਼ ਪ੍ਰਾਪਤ ਹੋਈਆਂ ਹਨ।

ਮੁੱਖ ਇੰਜੀਨੀਅਰ, ਮੁੱਖ ਚੌਕਸੀ ਅਫ਼ਸਰ-ਕਮ-ਡਾਇਰੈਕਟਰ ਕੁਆਲਟੀ ਕੰਟਰੋਲ ਅਤੇ ਨਿਰਮਾਣ ਵਿਭਾਗ ਤੇ ਤੇ ਮਾਸ਼ਾ ਚੰਡੀਗੜ੍ਹ ਵੱਲੋਂ ਅਤੇ ਐਮ.ਓ.ਆਰ. ਟੀ.ਐੱਫ ਐਚ. ਸਪੈਸੀਫਿਕੇਸ਼ਨ ਆਧਾਰ ਤੇ ਰੋਡ ਵਰਕ ਨਾਲ ਸਬੰਧਤ ਸੀ.ਐਸ.ਆਰ-2010 ਵਿੱਚ ਸੋਧ ਕਰਨ ਲਈ ਵੀ ਸਿਫਾਰਸ਼ ਪ੍ਰਾਪਤ ਹੋਈਆਂ ਹਨ।

ਉਪਰੋਕਤ ਪ੍ਰਾਪਤ ਸਿਫਾਰਸ਼ਾਂ ਦੀ ਪ੍ਰਵਾਨਗੀ ਡਾਇਰੈਕਸ਼ਨ ਕਮੇਟੀ ਨਾਲ ਚੀਫ ਇੰਜੀਨੀਅਰਜ਼ ਪਾਸੋਂ ਜਰਕਲੇਸ਼ਨ ਵਿੱਚ ਪ੍ਰਾਪਤ ਕੀਤੀ ਗਈ ਹੈ। ਕਮੇਟੀ ਵੱਲੋਂ ਪ੍ਰਵਾਨ ਕੀਤੀਆਂ ਗਈਆਂ ਸਿਫਾਰਸ਼ਾਂ ਦੇ ਆਧਾਰ ਤੇ ਸੋਧ ਏ.ਐੱਫ ਸੀ. ਸਲਿੱਪ ਨੰ:6 ਵਿੱਚ ਨੱਥੀ ਕੀਤੀਆਂ ਜਾਂਦੀਆਂ ਹਨ। ਸੀ.ਐਸ.ਆਰ-2010 ਆਰਟੀਕਲ ਨੰ: 24.3 (ਬੀ) ਤੇ ਕੋਈ ਪ੍ਰੀਮੀਅਮ ਨਹੀਂ ਹੋਵੇਗਾ। ਰੋਡ ਵਰਕ ਰੋਪਟਰ ਵੀਆਂ ਸੋਧ ਉਪਰੋਕਤ ਦੀ ਪੁਸ਼ਟਿਤ ਸੀਲਿੰਗ ਪ੍ਰੀਮੀਅਮ ਹੀ ਲਾਗੂ ਹੋਵੇਗਾ।

ਕਮੇਟੀ ਵੱਲੋਂ ਪ੍ਰਵਾਨ ਕੀਤੀਆਂ ਸਿਫਾਰਸ਼ਾਂ ਤੁਰੰਤ ਲਾਗੂ ਹੋਣਗੀਆਂ।

ਉਪਰੋਕਤ ਅਨੁਸਾਰ ਡਾਟਾ
www.pwd.punjab.gov.in
ਤੇ ਡਾਇਨ ਲੋਡ ਕੀਤਾ ਜਾਵੇ।

ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਹੈ:ਕੁ:) ਕਮ-ਕਨਵੀਨਰ
ਡਾਇਰੈਕਸ਼ਨ ਕਮੇਟੀ ਆਫ ਚੀਫ ਇੰਜੀਨੀਅਰਜ਼,
ਪੰਜਾਬ ਲੋ:ਨਿ:ਵਿ: ਤੇ ਮ, ਪਟਿਆਲਾ।

ਪਿਠ ਅੰਕਟ ਨੰ: 7300

/ਸੀ.ਐਸ.ਆਰ

ਮਿਤੀ: 10-12-2014

ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਹੇਠ ਲਿਖਿਆਂ ਨੂੰ ਸੂਚਨਾ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ ਜੀ:-

1. ਪੀ.ਏ.ਟੂ ਮੰਤਰੀ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭਵਨ ਤੇ ਮਾਰਗ, ਚੰਡੀਗੜ੍ਹ ਜੀ ਦੀ ਸੂਚਨਾ ਹਿੱਤ।

ਉਪਰੋਕਤ ਅਨੁਸਾਰ ਡਾਟਾ
www.pwd.punjab.gov.in
ਤੇ ਡਾਇਨ ਲੋਡ ਕੀਤਾ ਜਾਵੇ।

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ(ਸੀ.ਐਸ.ਆਰ.)
ਵਾ: ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਹੈ:ਕੁ:) ਕਮ-ਕਨਵੀਨਰ
ਡਾਇਰੈਕਸ਼ਨ ਕਮੇਟੀ ਆਫ ਚੀਫ ਇੰਜੀਨੀਅਰਜ਼,
ਪੰਜਾਬ ਲੋ:ਨਿ:ਵਿ: ਤੇ ਮ, ਪਟਿਆਲਾ।

ਪਿਠ ਅੰਕਟ ਨੰ: 7301

/ਸੀ.ਐਸ.ਆਰ

ਮਿਤੀ: 10-12-2014

ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਹੇਠ ਲਿਖਿਆਂ ਨੂੰ ਸੂਚਨਾ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ ਜੀ।

1. ਸਕੱਤਰ, ਪੰਜਾਬ ਸਰਕਾਰ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ, ਭਵਨ ਤੇ ਮਾਰਗ ਸ਼ਾਖਾ, ਚੰਡੀਗੜ੍ਹ।

ਉਪਰੋਕਤ ਅਨੁਸਾਰ ਡਾਟਾ
www.pwd.punjab.gov.in
ਤੇ ਡਾਇਨ ਲੋਡ ਕੀਤਾ ਜਾਵੇ।

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ(ਸੀ.ਐਸ.ਆਰ.)
ਵਾ: ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਹੈ:ਕੁ:) ਕਮ-ਕਨਵੀਨਰ
ਡਾਇਰੈਕਸ਼ਨ ਕਮੇਟੀ ਆਫ ਚੀਫ ਇੰਜੀਨੀਅਰਜ਼,
ਪੰਜਾਬ ਲੋ:ਨਿ:ਵਿ: ਤੇ ਮ, ਪਟਿਆਲਾ।

ਪਿਠ ਅੰਕਣ ਨੰ: 7342-7343 /ਸੀ.ਐਸ.ਆਰ

ਮਿਤੀ: 10-12-2014

ਉਪਰੋਕਤ ਦਾ ਉਤਰਾ ਹੇਠ ਲਿਖਿਆ ਨੂੰ ਸੂਚਨਾ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ ਜੀ।

1. ਸਾਰੇ ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ (ਉਸਾਰੀ ਹਲਕਾ, ਅੰਮ੍ਰਿਤਸਰ/ਬਠਿੰਡਾ/ ਚੰਡੀਗੜ੍ਹ/ ਫਰੀਦਕੋਟ/ ਫਿਰੋਜਪੁਰ/ਹੁਸ਼ਿਆਰਪੁਰ/ਜਲੰਧਰ-1/ਜਲੰਧਰ-2/ਲੁਧਿਆਣਾ/ਪਟਿਆਲਾ-1/ ਪਟਿਆਲਾ-2/ਪਠਾਨਕੋਟ/ਸੰਗਰੂਰ/ਕੇਂਦਰੀ ਕਾਰਜ ਹਲਕਾ, ਅੰਮ੍ਰਿਤਸਰ/ਫਿਰੋਜਪੁਰ/ਲੁਧਿਆਣਾ/ਚੰਡੀਗੜ੍ਹ/ ਬਿਜਲੀ ਹਲਕਾ, (ਉੱਤਰ) ਚੰਡੀਗੜ੍ਹ/ ਬਿਜਲੀ ਹਲਕਾ (ਦੱਖਣ) ਪਟਿਆਲਾ/ ਮਕੈਨੀਕਲ ਹਲਕਾ, ਪਟਿਆਲਾ, ਲੋਕ ਨਿਪਮਾਣ ਵਿਭਾਗ, ਭਵਨ ਤੇ ਮਾਰਗ ਸਾਖਾ।
2. ਸਾਰੇ ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ ਅਤੇ ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ ਅਤੇ ਭਾਡ ਮੁਖੀ, ਮੁੱਖ ਦਫਤਰ, ਪਟਿਆਲਾ।

ਉਪਰੋਕਤ ਅਨੁਸਾਰ ਭਾਟਾ
www.pwd.punjab.gov.in
ਤੇ ਤਸ਼ੀਲ ਦੇਣ ਲਈ

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ(ਸੀ.ਐਸ.ਆਰ.)
ਵਾ: ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਹੈ:ਕੁ) ਕਮ-ਕਨਵੀਨਰ
ਡਾਇਰੈਕਸ਼ਨ ਕਮੇਟੀ ਆਫ ਚੀਫ ਇੰਜੀਨੀਅਰਜ਼,
ਪੰਜਾਬ ਲੋ:ਨਿ:ਵਿ: ਭਾ: ਮ, ਪਟਿਆਲਾ।

ਪਿਠ ਅੰਕਣ ਨੰ: 7344

/ਸੀ.ਐਸ.ਆਰ

ਮਿਤੀ: 10-12-2014

ਉਪਰੋਕਤ ਦਾ ਉਤਰਾ ਹੇਠ ਲਿਖਿਆ ਨੂੰ ਭੇਜਕੇ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਇਸਦੀ ਵਾਪੀ ਵੈਬਸਾਈਟ
www.pwdpunjab.gov.in, www.prbdb.gov.in ਤੇ ਉਪਲੱਬਧ ਕਰਵਾਈ ਜਾਵੇ।

1. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਪੀ.ਆਰ.ਬੀ.ਡੀ.ਬੀ.), ਪੰਜਾਬ, ਲੋਕ ਨਿਗਰਾਨ ਵਿਭਾਗ, ਭਾ: ਮ, ਐਸ.ਜੀ.ਓ.
ਨੰ:੮1-੮2, ਫੇਜ਼-2, ਮਿਹਾਲੀ।

ਉਪਰੋਕਤ ਅਨੁਸਾਰ ਭਾਟਾ
www.pwd.punjab.gov.in
ਤੇ ਤਸ਼ੀਲ ਦੇਣ ਲਈ

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ(ਸੀ.ਐਸ.ਆਰ.)
ਵਾ: ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਹੈ:ਕੁ) ਕਮ-ਕਨਵੀਨਰ
ਡਾਇਰੈਕਸ਼ਨ ਕਮੇਟੀ ਆਫ ਚੀਫ ਇੰਜੀਨੀਅਰਜ਼,
ਪੰਜਾਬ ਲੋ:ਨਿ:ਵਿ: ਭਾ: ਮ, ਪਟਿਆਲਾ।

ਪਿਠ ਅੰਕਣ ਨੰ: 7345

/ਸੀ.ਐਸ.ਆਰ

ਮਿਤੀ: 10-12-2014

ਉਪਰੋਕਤ ਦਾ ਉਤਰਾ ਹੇਠ ਲਿਖਿਆ ਨੂੰ ਭੇਜਕੇ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਇਸਦੀ ਵਾਪੀ ਵੈਬਸਾਈਟ
www.pbdwss.gov.in ਤੇ ਉਪਲੱਬਧ ਕਰਵਾਈ ਜਾਵੇ।

1. ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਦੱਖਣ) ਜਲ ਸਪਲਾਈ ਅਤੇ ਸੈਨੀਟੇਸ਼ਨ ਵਿਭਾਗ ਪਟਿਆਲਾ।

ਉਪਰੋਕਤ ਅਨੁਸਾਰ ਭਾਟਾ ਸੀ.ਡੀ.ਐਲ.ਵਿੰਚ
www.pwd.punjab.gov.in
ਤੇ ਤਸ਼ੀਲ ਦੇਣ ਲਈ

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ(ਸੀ.ਐਸ.ਆਰ.)
ਵਾ: ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਹੈ:ਕੁ) ਕਮ-ਕਨਵੀਨਰ
ਡਾਇਰੈਕਸ਼ਨ ਕਮੇਟੀ ਆਫ ਚੀਫ ਇੰਜੀਨੀਅਰਜ਼,
ਪੰਜਾਬ ਲੋ:ਨਿ:ਵਿ: ਭਾ: ਮ, ਪਟਿਆਲਾ।

1

**Chief Engineer (South) Punjab,
Water Supply & Sanitation Department, Patiala**

To

Chief Engineer (Head Quarter)-cum-Convener,
Direction Committee of Chief Engineers,
Punjab PWD (B&R) Branch,
Patiala.

Memo No.: 32891

Dated: 14-10-2014

Subject: Revised CSR Chapter No. 28, 29 & 30

Reference: Your office Letter No. 7157 dated 01-10-2014 on the subject cited above.

Kindly refer to Advisor (Tech.) to Hon'ble CM Punjab Memo No. ATPB/ 85/ CSR dated 18-06-2014.

In reference to point No. 2, it is informed that omissions, which are required to be corrected and have already been duly vetted by office of Advisor (Tech.) to Hon'ble CM Punjab. It has already been forwarded to your office, vide this office letter No. 28358 dated 02-09-2014, for issue of necessary corrigendum.

In respect of point No. 3 regarding deletion of rates of sub-mountainous region taken in Chapter No. 28 & 30, matter has been referred to CSR refinement committee of the Department and on the receipt of the recommendations of the committee, case will immediately be forwarded to your office for appropriate action.

In respect of point No. 4 & 5, action will be taken after the receipt of recommendations in respect of deletion of rates of sub-mountainous region and decision in respect of item of PVC pipes with and without make, after getting it vetted from the office of Advisor (Tech.) to Hon'ble CM Punjab.

In view of above, it is requested to issue corrigendum in respect of point No. 2 of Memo No. ATPB/ 85/ CSR dated 18.06.2014 and Memo No. ATPB/ 88/ CSR dated 25.06.2014, office of Advisor (Tech.) to Hon'ble CM Punjab and forwarded to your office vide this office letter No. 28358 dated 02-09-2014 please.


Chief Engineer (South)

Endst. No.

Dated:

Copy of the above is forwarded to Advisor (Tech.) to Hon'ble CM Punjab, in reference to his office Memo No. ATPB/ 111/ CSR dated 13-10-2014, for information please.


Chief Engineer (South)

Endst. No.

Dated:

Copy of the above is forwarded to Chairman CSR Refinement Committee cum-Superintending Engineer, WSS Circle, Patiala, w.r.t this office letter No. 30400 dated 19-09-2014, for information please.


Chief Engineer (South)

5-9

2

**Chief Engineer (South) Punjab
Water Supply & Sanitation Department, Patiala**

To

Chief Engineer (Head Quarter)-cum-Convener,
Direction Committee of Chief Engineers,
Punjab PWD (B&R) Branch,
Patiala.

Memo No.: 28358

Dated: 02-09-2014

Subject: Revised CSR Chapter No. 28, 29 & 30.

**Ref.: This office memo No. 16910 dated 19.05.2014, 21522 dated 24.06.2014
& 21708 dated 26.06.2014, on the above cited subject.**

With reference to the above cited subject, kind attention is drawn towards Advisor (Tech.) to Hon'ble CM Punjab Memo. No. ATPB/85/DWSS/CSR dated 18-06-2014 & Memo. No. ATPB/88/DWSS/CSR dated 25-06-2014, wherein certain omissions/ amendments recommended by Advisor (Tech.) to Hon'ble CM Punjab were forwarded to your office for issuing necessary corrigendum.

These corrections were reviewed by the Committee constituted by the Department and are attached herewith as Annexure.

Accordingly, it is requested to issue the necessary corrigendum as per above please.

DA/ As above

Endst. No.

Dated :

A copy of the above is forwarded to the Advisor (Tech.) to Hon'ble Chief Minister Punjab for information please.

Sd/-
Chief Engineer (South)

Endst. No.

Dated :

A copy of the above is Chairman, Standing Committee cum Superintending Engineer WSS Circle, Patiala for information please.

Sd/-
Chief Engineer (South)

Endst. No.

Dated :

A copy of the above is Chief Engineer (North/ Central/ Ex-Cadre) Punjab, Department of Water Supply & Sanitation, Patiala for information please.

Sd/-
Chief Engineer (South)

Proposed Corrigendum

1) Chapter 28

i) Item No. 28.75 (B)

Sr. No.	Chapter No.	Item No.	To be replaced				To be added				Remarks
			Plain		Sub-Mount		Plain		Sub-Mount		
1	28	28.75 (B)	Labour Rate	Through Rate	Labour Rate	Through Rate	Labour Rate	Through Rate	Labour Rate	Through Rate	Required Analysis is attached herewith
			280.00	9739.00	308.00	9767.00	280.00	4570.39	308.02	4598.39	

Sr. No.	Chapter No.	Description	To be replaced	To be added	Remarks
1	28	Material rate list item at Sr. No. 35	Rs. 8000/each	Rs. 3550/mtr	

ii) Item No 28.81 (b)

Sr. No.	Chapter No.	Item No.	To be replaced	To be added	Remarks
1	28	28.81 b	500 cfm at 150 psi	550 cfm at 600 psi	

iii) Item No 28.88

Sr. No.	Chapter No.	Item No.	To be replaced				To be added				Remarks
			Plain		Sub-Mount		Plain		Sub-Mount		
			Labour Rate	Through Rate	Labour Rate	Through Rate	Labour Rate	Through Rate	Labour Rate	Through Rate	
1	28	28.88									Note to be incorporate in the description of item
			60.50	518.00	66.50	524.50	60.50	1663.00	66.50	1669.00	
							Note:- The rate includes loading & unloading charges. Carriage from quarry site will be paid extra as per actual				

II) Chapter No 29

i) Item No 29.2 (A)

Sr. No.	Chapter No.	Item No.	To be replaced	To be added	Remarks
1	29	29.2 A	Depth upto 1.50m BGL	Depth upto 2.00m BGL	

ii) General Instructions: To be incorporated along with the Chapter No. 29 as under:

- 1) Considering cost factor HDPE pipe sewer should be avoided to the best possible. It is recommended only for particular situations/site conditions such as for crossing above and below railway lines, roads, canals, drains, ponds and under sub soil water etc where direct heavy loads are not coming on the pipes.
- 2) For Technical reasons UPVC pipes be preferred upto 400 mm i/d, being cheap, long life, requires lesser self cleaning velocity, lesser gradients, available in bulk, leak proof joints, easy to install, local sand is used instead of PCC, hence reducing the depths of Main Pumping Stations and Sewerage Treatment Plants (As such the Costs) along with low maintenance cost.
- 3) Where sewers are to be remained immersed under water for most of the time, in such conditions RCC s/s pipes having HDPE lining be preferred and in the worst situations HDPE sewer can be used with prior approval of Technical Sanctioning Authority.

- 4) For the rising mains UPVC pipes upto 400mm i/d. above 400 upto 1000mm i/d HDPE and above 1000mm i/d RCC s/s pipes having HDPE lining be preferred. All joints must be tested before back filling of earth for desired pressure to be leak proof. PCC blocks can be provided on joints of RCC pipe's in rising mains.
- 5) Where ever at road crossings the required cover on pipe is less and are subjected to heavy vehicular traffic, bridging on wells and drains crossing etc, pipes be protected by providing PCC or RCC enclosures depending upon the site requirements.
- 6) When lump sum rate is quoted by contractor for any item of excavation work covered in CSR, the work will be got executed as per PWD specifications and payment will be made only for sections as per standard norms or sections taken in tender bid if any. Nothing extra will be payable to contractor due to increase in section or change in nature of soil or change in nature of timbering what so ever may be required to be done for the specified excavation work except dewatering of sub soil water if required.
- 7) Through rates in Chapter 29 of PWD (CSR) for all pipe sewers are only for estimation purpose. The Allotment Authority before the allotment of the works will have to verify the prevailing lowest and reasonable rates throughout in the open market taking into accounts all discounts and facilities etc. offered by the supplier/manufacturer for supply in bulk. The entire responsibility of rates approval will rest on the allotting authorities in person, where as the recommendation received by the allotting authority will not be a justification.

III) Chapter No 30

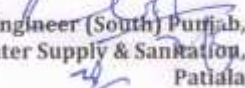
i) Item No. 30.62 B

Sr. No.	Chapter No.	Item No.	To be replaced		To be added		Remarks
1	30	30.62 (B)	Unit	Mtrs	Unit	Sqm	-

ii) Item No 30.34

Sr. No.	Chapter No.	Item No.	To be replaced	To be added						Remarks
1	30	30.34	Blank	Providing and fixing Sensotonic concealed type flushing valve (jaquar or equivalent –make) for urinal complete set with installation box & control cock complete in all respect.	unit	Labour Rate	Through Rate	Labour Rate	Through Rate	
					each	253.00	9365.00	368.00	9400.00	

Sr. No.	Chapter No.	Item No.	To be replaced	To be added	Remarks
1.	30	30.74 (iii)	Providing & Fixing.....But excluding cost of lead jointing.	Providing & Fixing..... including cost of jointing complete in all respects.	
2	30	30.80	(Previously item No 30.104)		To be deleted
3	30	30.88 a	European/Indian/Orissa WC	Indian/Orissa WC	
4	30	30.88 b	PVC/China Ware cistern	European WC	
5	30	30.88 c	Wash Hand Basin/Urinal Pot	Wash Hand Basin/Urinal Pot/PVC/China ware cistern	


 Chief Engineer (South) Punjab,
 Department of Water Supply & Sanitation,
 Patiala

Chapter No. 28
Water Supply

Sl. No.	Description	Unit	Qty	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Supplying of gravel of 1/4" to 1/2" size including loading and packing in the annular space between the pipe assembly and the form. The gravel should be from form, dust-free, at the original number as per IS 400:1952 with least adulteration. (Rate includes loading and unloading but excluding cartage charges)	cu m	1.00	1100.00	1100.00	1100.00	1100.00	1100.00	1100.00	1100.00	1100.00
2	Takeing out Gravel of 1/4" to 1/2" size 3.34 cu m per Meter	cu m	3.34	1100.00	3674.00	1100.00	3674.00	1100.00	3674.00	1100.00	3674.00
3	Materials										
4	Cost of Gravel including loading, unloading										
5	Total										
6	Summation of 1 to 5										
7	Add contractor's profit @ 10% i.e. on Rs. 1467										
8	Add Labour cost @ 1% i.e. on Rs. 1555.2										
9	Material Cost for										
10	Material Cost for										
11	Packing at site of work of gravel of 1/4" to 1/2" size in the annular space between the pipe assembly and the form.										
12	Labour										
13	Takeing out Gravel										
14	Helper (labourer)										
15	Total										
16	Summation of 1 to 15										
17	Add contractor's profit @ 10% i.e. on Rs. 2513.75										
18	Add Labour cost @ 1% i.e. on Rs. 2654.54										
19	Labour for										
20	Labour for										
21	Cost for										
22	Add 10% for sub-increases										
23	Labour for										
24	Cost for										
25	Present Market Rate as per Analysis										
26	Rate as per CSR 2016										
27	Excess Rate										
28	Recommended Premium										

New Item

1100.00

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Signature of Engineer
Water Supply & Sanitation Dept.
April 2018

ANALYSIS OF RATES FOR THE SUPPLYING & PACKING OF GRAVEL AROUND THE
TUBEWELL ASSEMBLY INCLUDING LOADING, CARRIAGE & UNLOADING (SIZE OF GRAVEL
2.0 MM TO 3.35 MM AS PER IS:4097-1967 BASED ON MARKET RATE & CSR)

FOR PATIALA CIRCLE

S.No. 152(i) Carriage of Gravel

From Chand Mandir to Towns falling under Patiala Circle (Except Sangrur & Barnala District)

Av. Lead = 80.00 K.M.

Carrriage (As per CSR)

a)	upto 5.00 k.m. @	142.50	=	Rs	142.50	P/Cum	
b)	6.00 K.M. To 10.00 K.M. i.e.	5.00 k.m. @	11.25 P/Km	=	Rs	56.25	P/Cum
c)	11.00 K.M. To 20.00 K.M. i.e.	10.0 k.m. @	7.50 P/Km	=	Rs	75.00	P/Cum
d)	21.00 K.M. To 40.00 K.M. i.e.	20.0 k.m. @	4.50 P/Km	=	Rs	90.00	P/Cum
e)	41.00 K.M. To 60.00 K.M. i.e.	20.0 k.m. @	3.35 P/Km	=	Rs	67.00	P/Cum
f)	61.00 K.M. To 80.00 K.M. i.e.	20.0 k.m. @	1.70 P/Km	=	Rs	34.00	P/Cum
							221.25
		142.50	20%		Rs	34.20	28.50
	Add ceiling premium on (a to d) i.e. Rs.	363.75 P/Cum @	15% 25%	=	Rs	54.56	55.31
	Add ceiling premium on (e) i.e. Rs.	23.125 P/Cum @	40% 25%	=	Rs	9.25	16.75
	Add ceiling premium on (f) i.e. Rs.	34.00 P/Cum @	24% 20%	=	Rs	8.16	6.80
					Rs	572.11	572.11
					Rs	14.96	16.19 Per Cft

2/4.13 Unloading of Gravel (As per CSR)

Add ceiling premium on Rs.

9.80 @

	75%	=	Rs	9.80	P/Cum	
	12%	=	Rs	1.18	P/Cum	
			Rs	11.00	P/Cum	17.15
			Rs	0.31	Per Cft	0.49 Per Cft

3/4.5 Supply of Gravel (As per current market Rate)

a)	Quarry site rate of gravel		=	Rs	40.00	Per Cft	
b)	Punjab tax @ Rs. 200	Per 250	C.H.	Rs	0.80	Per Cft	
	(Actual Load of Truck)						
c)	Toll tax @ Rs. 222	Per 250	C.H.	Rs	0.89	Per Cft	
d)	Contractor's Profit @	10%		Rs	4.00	Per Cft	
				Rs	45.69	Per Cft	45.69 Per Cft
				Rs	1.23	Per Cft	
				Rs	46.92	Per Cft	62.37
				Rs	1.50	Per Cft	63.87
				Rs	63.87	Per Cft	63.87
				Rs	0.64	Per Cft	0.64
				Rs	64.51	Per Cft	64.51
				Rs	22.14	Per Cum	22.16 Per Cum

CERTIFICATE:- It is certified that the quarry site rate of gravel is Rs. 40.00 per cft but due

AV. Rate is Rs. 65.00 Per Cft

Sub-Divisional Engineer
Pb. W & Sew. (Mech) Sub Divn
Patiala

Executive Engineer.
Pb. W & Sewerage Divn
Patiala

Superintendent Engineer,
Pb. W & Sewerage Circle,
PATIALA

Checked by: [Signature]

Sr. No.	Guide No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
30.34	2	Providing and fixing Sensotonic concealed type flushing valve (Jaquar make or equivalent) for urinal complete set with installation box & control cock complete in all respect.	Each	1.00	7875.00	7875.00	7875.00			
		Sensotonic concealed type flushing valve (Jaquar make or equivalent) for urinal	Each	1.00	7875.00	7875.00	7875.00			
		Total - I								
		Sundries @ 3% i.e. on Rs. 7875					236.25			
		Add contractor's profit @ 10% i.e. on Rs. 8111.25					811.13			
		Add Labour cess @ 1% i.e. on Rs. 8922.38					89.22			
		Labour					9011.60			9011.60
		Taking output	Each	0.50	344.84	172.42				
		Plumber 1st class	Each	0.35	305.14	106.80				
		Helper (Skilled)				279.22				
		Total - II					8.38			
		Sundries @ 3% i.e. on Rs. 279.22					81.63			
		Add contractor's profit @ 21.50% i.e. on Rs. 287.6					3.49			
		Add Labour cess @ 1% i.e. on Rs. 349.43					352.92			352.92
		Labour for	Each	1			9364.52			9364.52
		Cost for	Each	1						35.29
		Labour for	Each	1						388.21
		Cost for	Each	1						9399.81
		Add 10% for sub mountainous region								

New item added

Sr. No.	Code No.	Description	Unit	Quantity	For Sub-Mountainous Region				
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)
1	2	3	4	5	6	7	8	9	10
30.62	B	Providing & Fixing in position mirror of superior glass Size 1500mm x600mm or any other required size (of approved quality) and of required shape and size with high quality polystyrene moulding frame of 40 to 50mm size (of approved quality and shade) with 4mm thick hardboard backing fixed in with raw plugs 50mm. C.P. brass screws and washers complete in all respect	sqm	0.90	900.00	810.00			
		Materials							
		Mirror 5mm thick Size 1500mmx600mm	sqm	0.90	900.00	810.00			
		4mm thick hardboard sheet 1.50x0.60=0.90sqm+10% wastage=1.00 sqm	Sqm	1.00	160.00	160.00			
		Polystyrene moulding frame of 40 to 50mm size 2x(1500+600)=4200+10% wastage=4620 mm or 4.62 mtr	mtr	4.62	200.00	924.00			
		Total - I				1894.00			
		Sundries @ 3% i.e. on Rs. 1894				56.82			
		Add contractor's profit @ 10% i.e. on Rs. 1950.82				195.08			
		Add Labour cess @ 1% i.e. on Rs. 2145.9				21.46			
						2167.36	2167.36		2167.36
		Labour							
		Plumber 1st class	Each	0.300	344.54	103.45			
		Helper (Skilled)	Each	0.300	305.44	91.54			
		Total - II				194.99			
		Sundries @ 3% i.e. on Rs. 194.99				5.85			
		Add contractor's profit @ 21.50% i.e. on Rs. 200.84				43.16			
		Add Labour cess @ 1% i.e. on Rs. 244.02				2.44			
						246.46	246.46		246.46
		Add 10% for sub mountainous region				273.84	2413.82		273.84
							2682.02		273.84
									27.36
									301.23
									2709.41

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11
30.74	(ii)	Providing and fixing in position SWR UPVC soil waste vent or antisyphonage pipes as per IS-13592 of approved make to the approval of Engineer-in-charge including cutting, jointing, wastage, but including cost of and jointing. <i>Complete in all aspects</i>								
A	Type-A									
*		160mm old SWR UPVC pipe line laid complete	Unit :- m.							
		Taking Output of 160mm old pipe:-	17.68 m.							
I	Material		Rmt.	18.56	377.25	7003.27				
	Supply of Pipe including wastage 5%					7003.27				
	Total - I					210.10				
	Sundries @ 3% i.e. on Rs. 7003.27					721.34				
	Add contractor's profit @ 10% i.e. on Rs. 7213.37					79.35				
	Add Labour cess @ 1% i.e. on Rs. 7934.71					8014.06				
	Material cost for	17.68 m.				453.28	453.28			453.28
	Material cost for	1.00 m.								
II	Labour									
	Taking Output :-	17.68 m.								
(i)	Plumber 1st class (Pipe Fitter)		Each	1.75	344.84	603.47				
(ii)	Helper (Skilled worker)		Each	1.75	305.14	534.00				
	Total - II					1137.47				
	Sundries @ 3% i.e. on Rs. 1137.47					34.12				
	Add contractor's profit @ 21.50% i.e. on Rs. 1171.59					251.69				
	Add Labour cess @ 1% i.e. on Rs. 1423.48					14.23				
	Labour for	17.68 m.				1437.71				
	Labour for	1.00 m.				81.32	81.32			81.32
	Cost for	1.00 m.					534.60			
	Add 10% for sub mountainous region									8.13
	Labour for	1.00 m.								89.45
	Cost for	1.00 m.								542.73

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
1	30.60	3 Providing and fixing in position S.S. Grating with frame of approved make (to the approval of Engineer-in-charge) complete in all respect	4	5	8	7	8	8	10	11
		Unit :- 1 Each								
		Taking Output :- 1 Each								
I		Material								
I		S.S. Grating with frame	Each	1.00	62.40	62.40				
		Total - I				62.40				
		Sundries @ 3% i.e. on Rs. 62.4				1.87				
		Add contractor's profit @ 10% i.e. on Rs. 64.27				6.43				
		Add Labour cess @ 1% i.e. on Rs. 70.7				0.71				
		Material cost for 1 Each				71.41	71.41			71.41
II		Labour								
		Taking Output :- 1 Each								
I		Plumber 1st class (Pipe Fitter)	Each	0.025	344.84	8.62				
I		Helper (Skilled worker)	Each	0.025	305.14	7.63				
		Total - II				16.25				
		Sundries @ 3% i.e. on Rs. 16.25				0.49				
		Add contractor's profit @ 21.50% i.e. on Rs. 16.74				3.60				
		Add Labour cess @ 1% i.e. on Rs. 20.34				0.20				
		Labour for 1 Each				20.54	20.54			20.54
		Cost for 1 Each					91.95			
		Add 10% for sub mountainous region								2.00
		Labour for 1 Each								22.59
		Cost for 1 Each								94.00

12

Sr. No.	Code No.	Description	Unit	Quantity	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11

New Item

30.88
Dismantling Sanitary fixtures such as European/Indian/Onasa W.C., PVC / China ware cistern, Wash Hand Basin, Urinal Pot, Sinks and CP Fittings and disposal of dismantled material within a distance of 100 Mtr. complete in all respect as required by Engineer-in-Charge.

a Indian/Onasa W.C.,

			Unit :-	1	Each					
I	Labour									
		Taking output	1	Each						
I	Labour for dismantling									
	Plumber 1st class			Each	0.200	344.94	68.97			
II	Helper (Skilled worker)			Each	0.200	305.14	61.03			
	Total - I						130.00			
	Sundries @ 3% i.e. on Rs. 130						3.90			
	Add contractor's profit @ 21.50% i.e. on Rs. 133.9						28.79			
	Add Labour cess @ 1% i.e. on Rs. 162.69						1.63			
		Labour for	1	Each			164.32			
		Labour for	1	Each			164.32	164.32		164.32
		Cost for	1	Each				164.32		164.32
	Add 10% for sub mountainous region									16.43
		Labour for	1	Each						180.75
		Cost for	1	Each						180.75

Sr. No.	Code No.	Description	Unit	Quantity	Rate (in Rs.)	Plan Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10
	c	Wash Hand Basin/Urinal Pot/PVC/Chinaware cistern							
		Unit :-	1	Each					
i		Labour							
		Labour for domestic							
		Plumber 1st class							
		Helper (Skilled worker)							
		Total :-							
		Sundries @ 3% i.e. on Rs. 64.99							
		Add contractor's profit @ 21.50% i.e. on Rs. 68.94							
		Add Labour cess @ 1% i.e. on Rs. 81.33							
		Labour for	1	Each		82.14			82.14
		Labour for	1	Each		82.14			82.14
		Cost for	1	Each					
		Add 10% for sub mountainous region							
		Labour for	1	Each					8.21
		Cost for	1	Each					90.35
									90.35

PROPOSED ADDENDA & CORRIGENDUM No. 6 to CSR-2010										Annexure-1
Sr. No	Page No.	Item No.	Est. No.	Line No.	As Existing		To be Amended		Remarks	
1	2	3	4	5	6	7			8	
1	239	24.3(b)	2			Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead upto 1000 metres as per technical clause 305.4.3 of MORT&H specifications.			New item added as per MORTH 5th revision specifications.	
2	239		3			sqm				
3	239		4			4.23				
4	239		5			-				
5	239		6			4.65				
6	239		7			-				
7	247	24.19(a)	2		VG-10 @ 3.25%		VG-30 @ 3.25%		Grade changed as per MORTH 5th revision specifications and rate amended accordingly.	
8	247		5		4425.70		4503.85			
9	247		7		4545.30		4623.45			
10	247	24.19(b)	2		VG-10 @ 3.4%		VG-30 @ 3.4%		Grade changed as per MORTH 5th revision specifications and rate amended accordingly.	
11	247		5		4607.13		4688.90			
12	247		7		4726.73		4808.50			
13	250	24.23(a)	2		VG-30 @ 5.5%		VG-30 @ 5.2%		Qty of bitumen changed as per MORTH 5th revision specifications and rate amended accordingly.	
14	250	24.23(a)	5		7091.85		6823.75			
15	250		7		7220.22		6952.12			
16	250	24.23 (b)	2		VG-30 @ 6%		VG-30 @ 5.4%		Qty of bitumen changed as per MORTH 5th revision specifications and rate amended accordingly.	
17	250		5		7412.34		6993.16			
18	250		7		7540.71		7121.53			

Sr. No	Page No.	Item No.	Col. No.	Line No.	As Existing	To be Amended	Remarks
1	2	3	4	5	6	7	8
19	251	24.25	2		VG-10 @ 1.46%	VG-30 @ 1.46%	Grade changed as per MORTH 5th revision specifications and rate amended accordingly.
20	251		5		89.49	91.08	
21	251		7		91.74	93.33	
22	251	24.26 a	2		VG-10 @ 2.2%	VG-30 @ 2.2%	Grade changed as per MORTH 5th revision specifications and rate amended accordingly.
23	251		5		117.76	120.16	
24	251		7		120.03	122.43	
25	252	24.26 b	2		VG-10 @ 1.90%	VG-30 @ 1.90%	Grade changed as per MORTH 5th revision specifications and rate amended accordingly.
26	252		5		106.69	108.75	
27	252		7		108.96	111.02	
28	252	24.27 a	2		VG-10 @ 0.98%	VG-30 @ 0.98%	Grade changed as per MORTH 5th revision specifications and rate amended accordingly.
29	252		5		48.20	49.26	
30	252		7		48.94	50.00	
31	252	24.27 b	2		VG-10 @ 0.68%	VG-30 @ 0.68%	Grade changed as per MORTH 5th revision specifications and rate amended accordingly.
32	252		5		35.35	36.04	
33	252		7		36.40	37.09	
34	253	24.28	5		199.77	435.30	Due to correction in the analysis.
35	253		7		211.98	447.51	
36	256	24.33	2		VG-10 @ 1.90%	VG-30 @ 1.90%	Grade changed as per MORTH 5th revision specifications and rate amended accordingly.
37	256		5		119.15	121.33	
38	256		7		122.24	124.42	
39	256	24.34	2		VG-10 @ 3.4%	VG-30 @ 3.4%	Grade changed as per MORTH 5th revision specifications and rate amended accordingly.
40	256		5		5127.87	5213.73	
41	256		7		5282.49	5368.35	

3

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11
24.19	a	Bituminous Macadam 80mm to 100mm thickness (Grading I)	Cum	1						
Providing and laying bituminous macadam 80mm to 100mm thick with batch type hot mix plant using crushed aggregates of specified grading premixed with bituminous binder VG-30 @ 3.25%, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled to achieve the desired compaction complete as per technical clause 504 of MORT&H specifications										
I	Materials									
(i)		Bulk Bitumen VG-30 at HMP @ 3.25%	tonne	0.0715	34234.02	2447.73				
Aggregates										
Net wt. of aggregates = 2.20-0.0715=2.1285 tonne										
Taking Density 1.50 tonne per cum										
Volume of aggregates=1.419 cum										
(a)		37.5mm to 25mm at HMP @ 15%	Cum	0.2128	425.22	90.49				
(ii)		25mm to 10mm at HMP @ 45%	Cum	0.6386	427.40	272.94				
(iv)		10mm to 5mm at HMP @ 40%	Cum	0.3548	300.00	106.44				
(v)		5mm and below at HMP @ 15%	Cum	0.2128	280.73	59.74				
Total - I						2977.34				
Add contractor's profit @ 10% i.e. on Rs. 2977.34						297.73				
Add Labour cess @ 1% i.e. on Rs. 3275.07						32.75				
		Cost for	1 Cum			3307.82				
		Cost for	1 Cum			3307.82	3307.82			3307.82
II	Labour									

CSR - 2010

4

Sr. No.	Code No.	Description	Unit	Quantity	For Sub-Mountainous Region				
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10
		Taking output	205	Cum					
(i)		Male	Day	1.00	151.44	151.44			
(ii)		Mazdoor Unskilled (Semi Skilled Lower) working with HMP, paver, roller asphalt, cutter and assistance for setting out lines, levels and layout of const.	Day	14.00	143.81	2013.34			
(iii)		Mazdoor Skilled (Skilled Upper) for checking line & levels	Day	5.00	154.89	823.45			
		Machinery							
(iv)		Batch mix HMP	hour	6.00	22550.00	135900.00			
(v)		Paver finisher hydrostatic with sensor control	hour	8.00	2587.50	20700.00			
(vi)		Generator 250 KVA	hour	6.00	1687.50	10125.00			
(vii)		Front end loader 1cum bucket capacity	hour	6.00	790.00	4680.00			
(viii)		Smooth wheeled roller 8-10 tonne for initial break down rolling	hour	16.00	300.00	4800.00			
(ix)		Vibratory roller 8 tonne for intermediate rolling	hour	8.00	1100.00	8800.00			
(x)		Finishing rolling with 6-8 tonne Smooth wheeled tandem roller	hour	8.00	1107.00	8856.00			
		Total - II				156849.23			
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 156849.23				2952.74			
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 159801.97				42957.42			
		Add Labour cess @ 1% i.e. on Rs. 242759.39				2427.59			
		Labour for	205	Cum		245186.98			
		Labour for	1	Cum		1196.03	1196.03		
		Cost for	1	Cum			4503.85		
		Add 10% for sub mountainous region							119.60
									1315.63
									4623.45

Page 52

2/12

5

Sr. No.	Code No.	Description	Unit	Quantity	Plain		For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11
24.19	b	Bituminous Macadam 50mm to 75mm thickness (Grading II)								
		Providing and laying bituminous macadam 50mm to 75mm thick with batch type hot mix plant using crushed aggregates of specified grading premixed with bituminous binder VG-30 @3.4%, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled to achieve the desired compaction complete as per technical clause 504 of MORT&H specifications	Cum	1						
I		Materials								
(i)		Bulk Bitumen VG-30 at HMP @ 3.4%	tonne	0.0748	34134.02	2560.70				
		Aggregates								
		Net wt. of aggregates = 2.20-0.0748=2.1252 tonne								
		Taking Density 1.50 tonne per cum								
		Volume of aggregates=1.4168 cum								
(ii)		25mm to 10mm at HMP @ 40%	Cum	0.5667	477.40	242.21				
(iii)		10mm to 5mm at HMP @ 40%	Cum	0.5667	451.32	251.43				
(iv)		5mm and below at HMP @ 20%	Cum	0.2834	210.73	79.56				
		Total - I				3143.90				
		Add contractor's profit @ 10% i.e. on Rs. 3143.9				314.39				
		Add Labour cess @ 1% i.e. on Rs. 3458.29				34.58				
		Cost for 1 Cum	Cost for	1		3452.87				
II		Labour	Cost for	1		3452.87				3452.87
		Taking output 205 Cum								

6

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11
(i)	Male		Day	1.00	151.44	151.44				
(ii)	Mazdoor Unskilled (Semi Skilled Lower) working with HMP, paver, roller, asphalt, cutter and assistance for setting out lines, levels		Day	14.00	143.81	2013.34				
(iii)	Mazdoor Skilled (Skilled Upper) for checking line & levels		Day	5.00	154.69	823.45				
	Machinery									
(iv)	Batch mix HMP		hour	6.00	22550.00	135900.00				
(v)	Paver Finisher Hydraulic with sensor control		hour	8.00	9587.50	20700.00				
(vi)	Generator 250 KVA		hour	6.00	1687.50	10125.00				
(vii)	Front and loader 1cum bucket capacity		hour	6.00	750.00	4500.00				
(viii)	Smooth wheeled roller 8-10 tonne for initial break down rolling		hour	15.00	300.00	4500.00				
(ix)	Vibratory roller 8 tonne for intermediate rolling		hour	8.00	1100.00	8800.00				
(x)	Finishing rolling with 6-8 tonne Smooth wheeled tandem roller		hour	8.00	1107.00	8856.00				
	Total - II					196849.23				
	Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 196849.23					2952.74				
	Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 199801.97					42057.42				
	Add Labour cost @ 1% i.e. on Rs. 242759.39					2427.59				
		Labour for 205 Cum				245186.98				
		Labour for 1 Cum				1196.03	1196.03			
		Cost for 1 Cum					4688.90			
	Add 10% for sub mountainous region									119.60
		Labour for 1 Cum								1315.63
		Cost for 1 Cum								4898.50

4/15

Date 15/11/2010

CSR - 2010

Sr. No.	Code No.	Description	Unit	Quantity	Plain				For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)		
1	2	3	4	5	6	7	8	9	10	11		
24.23		Bituminous Concrete 50mm to 55mm thickness (Grading I)										
		Providing and laying bituminous concrete 50mm to 55mm thick with batch type hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 5.2%, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction complete as per technical clause 507 of MORT&H specifications	Cum									
I		Materials										
(i)		Bulk Bitumen VG-30 at HMP @ 5.2%	tonne	0.1222	34234.02	4183.40						
		Aggregates										
		Net wt. of aggregates = 2.35-0.1222=2.2278 tonne										
		Taking Density 1.50 tonne per cum										
		Volume of aggregates=1.4852 cum										
(ii)		20mm to 10mm at HMP @ 35%	Cum	0.5198	435.24	226.24						
(iii)		10mm to 5mm at HMP @ 23%	Cum	0.3416	461.32	157.59						
(iv)		5mm and below at HMP @ 40%	Cum	0.5941	280.73	166.78						
(v)		Filler at HMP @ 2% of weight of aggregates	tonne	0.0444	5687.50	252.53						
		Total - I										
		Add contractor's profit @ 10% i.e. on Rs. 4986.54				498.65						
		Add Labour cess @ 1% i.e. on Rs. 5485.19				54.85						
		Cost for 1 Cum	Cum	1		5540.05						
		Cost for 1 Cum	Cum	1		5540.05	5540.05			5540.05		
II		Labour										

Sr. No.	Code No.	Description	Unit	Quantity	For Sub Mountainous Region				
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10
		Taking output: 191 cum							
(i)		Male	Day	1.00	151.44	151.44			
(ii)		Mazdoor Unskilled (Semi Skilled Lower) working with HMP, paver, roller, asphalt, cutter and assistance for setting out lines, levels and layout	Day	14.00	143.81	2013.34			
(iii)		Mazdoor Skilled (Skilled Upper) for checking line & levels	Day	5.00	164.89	823.45			
		Machinery							
(iv)		Batch mix HMP	hour	6.00	22650.00	135900.00			
(v)		Paver finisher hydrostatic with sensor control	hour	8.00	2667.50	20700.00			
(vi)		Generator 250 KVA	hour	6.00	1687.50	10125.00			
(vii)		Front end loader 1cum bucket capacity	hour	6.00	780.00	4680.00			
(viii)		Smooth wheeled roller 8-10 tonne for initial break down rolling	hour	15.00	300.00	4500.00			
(ix)		Vibratory roller 8 tonne for intermediate rolling	hour	8.00	1100.00	8800.00			
(x)		Finishing rolling with 6-8 tonne Smooth wheeled tandem roller	hour	8.00	1107.00	8856.00			
		Total - II				196849.23			
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 196849.23				2952.74			
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 199801.97				42957.42			
		Add Labour cess @ 1% i.e. on Rs. 242759.39				2427.59			
		Labour for 191 cum				245186.98			
		Labour for 1 cum				1283.70			
		Cost for 1 cum					1283.70		
		Add 10% for sub mountainous region					1283.70		
							6823.75		
									128.37
									1412.07
									5952.12

Sr. No.	Code No.	Description	Unit	Quantity	For Sub-Mountainous Region				
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10
24.23	b	Bituminous Concrete 30mm to 45mm thickness (Grading II)							
		Providing and laying bituminous concrete 30mm to 45mm thick with batch type hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 5.4%, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction complete as per technical clause 507 of MORT&H specifications							
I		Materials							
(i)		Bitumen VG-30 at HMP @ 5.4%	tonne	0.1259	34234.02	4344.30			
		Aggregates							
		Net wt of aggregates = 2.35-0.1289=2.2211 tonne							
		Taking Density 1.50 tonne per cum							
		Volume of aggregates=1.4821 cum							
(ii)		13.2mm to 10mm at HMP @ 30%	Cum	0.4446	435.24	193.51			
(iii)		10mm to 5mm at HMP @ 25%	Cum	0.3705	461.32	170.92			
(iv)		5mm and below at HMP @ 43%	Cum	0.6373	280.73	178.91			
(v)		Filler at HMP @ 2% of weight of aggregates	tonne	0.0442	5687.50	251.39			
		Total - I				5139.03			
		Add contractor's profit @ 10% i.e. on Rs. 5139.03				513.90			
		Add Labour cess @ 1% i.e. on Rs. 5652.93				56.53			
		Cost for 1 Cum	1 Cum			5709.46			
		Cost for 1 Cum	1 Cum			5709.46	5709.46		5709.46
II		Labour							

Sr. No.	Code No.	Description	Unit	Quantity	Plain				For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11		
24.25		Open - Graded Premix Surfacing 20mm thickness										
		Providing, laying and compaction of open - graded premix surfacing of 20 mm thickness consisting of crushed stone aggregates of specified grading premixed in a batch type hot mix plant with bituminous binder VG-30 @ 1.45kg per sqm, laid with paver and rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades complete as per technical clause 510 of MORT&H specifications	1 sqm									
I		Materials										
(i)		Bitumen VG-30 at HMP @ 14.60 kg per 10sqm	tonne	0.00146	34234.02	48.98						
		Aggregates										
(ii)		Crushed stone aggregates 13.2mm to 5.6mm at HMP @0.27 cum per 10sqm	Cum	0.027	435.24	11.75						
		Total - I				61.73						
		Add contractor's profit @ 10% i.e. on Rs. 61.73				6.17						
		Add Labour cess @ 1% i.e. on Rs. 67.9				0.68						
		Cost for 1 sqm				68.58						
		Cost for 1 sqm				68.58	68.58					68.58
II		Labour										
		Taking output	10250 sqm									
(i)		Male	Day	1.00	151.44	151.44						
(ii)		Mazdoor Unskilled (Semi Skilled Lower) working with HMP, paver, roller and road sweeper	Day	14.00	143.61	2013.34						
(iii)		Mazdoor Skilled (Skilled Upper) for checking line & levels	Day	5.00	164.69	823.45						
		Machinery										
(iv)		Batch mix HMP	hour	6.00	22650.00	135900.00						

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Sr. No.	Code No.	Description	Unit	Quantity	Plain			Far Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11
(v)		Paver finisher hydrostatic with sensor control	hour	8.00	2587.50	20700.00				
(vi)		Generator 250 KVA	hour	6.00	1557.50	10125.00				
(vii)		Front end loader 1 cum bucket capacity	hour	6.00	760.00	4560.00				
(viii)		Smooth wheeled roller 8-10 tonne weight	hour	36.00	300.00	10800.00				
		Total - II				185193.23				
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 185193.23				2777.90				
		Add contractor's profit & Overhead Charges @ 2% i.e. on Rs. 187971.13				3759.42				
		Add Labour cess @ 1% i.e. on Rs. 228384.92				2283.85				
						230668.77				
		Labour for 10250 sqm	sqm							
		Labour for 1 sqm	sqm			22.50	22.50		22.50	
		Cost for 1 sqm	sqm				91.06			
		Add 10% for sub mountainous region								2.25
										24.75
										93.33

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
24.26	a	Close Graded Premix Surfacing/ Mixed Seal Surfacing 20mm thickness (Type A)								
		Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness Type A consisting of crushed stone aggregates of specified grading premixed in a batch type hot mix plant with bituminous binder VG-30 @ 2.2kg per sqm, laying with paver and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade complete as per technical clause 508 of MORT&H specifications	1	sqm						
I		Materials (Type A)								
(i)		Bitumen VG-30 at HMP @ 22 kg per 10sqm	tonne	0.0022	34234.02	75.31				
		Aggregates								
(ii)		Crushed stone aggregates 11.2mm to 0.09mm at HMP @0.27 cum per 10sqm	Cum	0.027	461.32	12.46				
		Total - I				87.77				
		Add contractor's profit @ 10% i.e. on Rs. 87.77				8.78				
		Add Labour cess @ 1% i.e. on Rs. 96.55				0.97				
		Cost for 1 sqm				97.51				
		Cost for 1 sqm				97.51	97.51			97.51
II		Labour								
		Taking output 10250 sqm								
(i)		Mate	Day	1.00	151.44	151.44				
(ii)		Mazdoor Unskilled (Semi Skilled Lower) working with HMP, paver, roller and road sweeper	Day	14.00	143.81	2013.34				
(iii)		Mazdoor Skilled (Skilled Upper) for checking line & levels	Day	5.00	164.69	823.45				
		Machinery								
(iv)		Batch mix HMP	hour	6.00	22660.00	135900.00				

14

Sr. No.	Code No.	Description	Unit	Quantity	Plain		For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
(v)	2	Paver finisher hydrostatic with sensor control	hour	8.00	2587.50	20700.00			
(vi)		Generator 250 KVA	hour	6.00	1587.50	10125.00			
(vii)		Front end loader 1cum bucket capacity	hour	6.00	750.00	4500.00			
(viii)		Smooth wheeled roller 8-10 tonne weight	hour	40.00	300.00	12000.00			
		Total - II				186393.23			
		Sundries such as traffic management during construction, watch and ward, minor T&P etc @ 1.5% i.e. on Rs. 186393.23				2795.90			
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 189189.13				40675.65			
		Add Labour cess @ 1% i.e. on Rs. 229864.79				2298.65			
		Labour for 10250 sqm				232163.44			
		Labour for 1 sqm				22.65	22.65	22.65	
		Cost for 1 sqm					120.16		
		Add 10% for sub mountainous region							2.27
		Labour for 1 sqm							24.92
		Cost for 1 sqm							122.43

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Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11
24.26	b	Close Graded Premix Surfacing/ Mixed Seal Surfacing 20mm thickness (Type B) Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness Type B consisting of crushed stone aggregates of specified grading premixed in a batch type hot mix plant with bituminous binder VG-30 @ 1.9kg per sqm, laying with paver and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade complete as per technical clause 508 of MORT&H specifications	1 sqm							
I		Materials (Type B)								
(i)		Bitumen VG-30 at HMP @ 19 kg per 10sqm	tonne	0.0019	34234.02	65.04				
		Aggregates								
(ii)		Crushed stone aggregates 13.2mm to 0.09mm at HMP @0.27 cum per 10sqm	Cum	0.027	461.32	12.46				
		Total - I				77.50				
		Add contractor's profit @ 10% i.e. on Rs. 77.5				7.75				
		Add Labour cess @ 1% i.e. on Rs. 85.25				0.85				
		Cost for 1 sqm				86.10				
		Cost for 1 sqm				86.10	86.10			86.10
II		Labour								
		Taking output 10250 sqm								
(i)		Male	Day	1.00	151.44	151.44				
(ii)		Mazdoor Unskilled (Semi Skilled Lower) working with HMP, paver, roller and road sweeper	Day	14.00	143.81	2013.34				
(iii)		Mazdoor Skilled (Skilled Upper) for checking line & levels	Day	5.00	164.69	823.45				
		Machinery								
(iv)		Batch mix HMP	hour	6.00	22650.00	135900.00				

CSR - 2010

Sr. No.	Code No.	Description	Unit	Quantity	Plain				For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11		
(v)		Paver finisher hydrostatic with sensor control	hour	8.00	2557.50	20700.00						
(vi)		Generator 250 KVA	hour	6.00	1687.50	10125.00						
(vii)		Front end loader 10 cum bucket capacity	hour	6.00	750.00	4500.00						
(viii)		Smooth wheeled roller 8-10 tonne weight	hour	40.00	300.00	12000.00						
		Total - II				186393.23						
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 186393.23				2796.90						
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 189190.13				40075.68						
		Add Labour cess @ 1% i.e. on Rs. 229864.79				2298.65						
						232163.44						
		Labour for 10250 sqm	sqm									
		Labour for 1 sqm	sqm			22.65	22.65		22.65			
		Cost for 1 sqm	sqm				108.75					
		Add 10% for sub mountainous region										2.27
												24.92
												111.02

14/10/20

Sr. No.	Code No.	Description	Unit	Quantity	For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Total (in Rs.)
1	3	3	4	5	6	7	8	9
24.27	a	Seal Coat Type A						11
		Providing and laying seal coat type A (Liquid Seal Coat) sealing the voids in a bituminous surface using crushed stone aggregates and penetration grade bitumen VG-30 @ 0.98kg per sqm laid to the specified levels, grade and cross fall complete as per technical clause 511 of MORT&H specifications	1	sqm				
I		Materials (Type A)						
(i)		Bitumen VG-30 at site of work @ 0.80 kg per 10sqm	tonne	0.00098	34234.02	33.55		
		Aggregates						
(ii)		Crushed stone aggregates 5.7mm size at site of work @0.09 cum per 10sqm	Cum	0.009	461.32	4.15		
		Total - I				37.70		
		Add contractor's profit @ 10% i.e. on Rs. 37.7				3.77		
		Add Labour cess @ 1% i.e. on Rs. 41.47				0.41		
						41.88		
II		Labour				41.88	41.88	41.88
		Taking output	1300	sqm				
(i)		Maka	Day	1.00	151.44	151.44		
(ii)		Mazdoor Unskilled (Semi Skilled Lower)	Day	20.00	143.81	2876.20		
(iii)		Mazdoor Skilled (Skilled Upper)	Day	2.00	164.59	329.38		
		Machinery						
(iv)		Bitumen pressure distributor	hour	3.25	1038.00	3373.50		
(v)		Smooth wheeled Roller 8-10 tonne weight	hour	3.25	300.00	975.00		
		Total - II				7705.52		

Sr. No.	Code No.	Description	Unit	Quantity	Plain				For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11		
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 7705.52				115.58						
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 7821.1				1681.54						
		Add Labour cess @ 1% i.e. on Rs. 9502.64				95.03						
		Labour for 1300 sqm				9537.67						
		Labour for 1 sqm				7.38	7.38		7.38			
		Cost for 1 sqm					49.25					
		Add 10% for sub mountainous region								0.74		
		Labour for 1 sqm								8.12		
		Cost for 1 sqm								50.00		

Adu

Sr. No.	Code No.	Description	Unit	Quantity	Plain				For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11		
24.27	b	Seal Coat Type B										
		Providing and laying of premix sand seal coat premixed in batch type hot mix plant using specified fine aggregates and penetration grade bitumen VG-30 @ 0.88kg per sqm, laid to the specified levels, grade and cross fall complete as per technical clause 511 of MORT&H specifications	1 sqm									
I		Materials (Type B)										
(i)		Bitumen VG-30 at HMP @ 6.50 kg per 10sqm	tonne	0.00068	24234.02	23.28						
		Aggregates										
(ii)		Fine aggregates at HMP @0.05cum per 10sqm	Cum	0.005	280.73	1.68						
		Total - I				24.96						
		Add contractor's profit @ 10% i.e. on Rs. 24.96				0.25						
		Add Labour cess @ 1% i.e. on Rs. 25.21				0.38						
		Cost for 1 sqm				25.59						
II		Labour				25.59	25.59			25.59		25.59
		Cost for 1 sqm										
		Taking output 7858 sqm										
(i)		Male	Day	3.00	151.44	454.32						
(ii)		Mazdoor Unskilled (Semi Skilled Lower)	Day	65.00	143.81	9347.65						
(iii)		Mazdoor Skilled (Skilled Upper)	Day	7.00	164.69	1152.83						
		Machinery										
(iv)		Batch mix HMP	hour	2.00	22650.00	45300.00						
(v)		Generator 250 KVA	hour	2.00	1687.50	3375.00						

125

Page 79

CSR - 2010

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
24.28	2	Mastic Asphalt 25mm thickness	4	5	6	7	8	9	10	11
		Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen 85/25 or 30/40 @ 10.2%, fine aggregates, coarse aggregates, lime filler @ 17.92% of total mix, prepared by using mastic cooker and laid to required level and slope, including providing antiskid surface with bitumen precoated fine graded hard stone chipping at an approximate spacing of 10 cm center to center in both directions, pressed into surface when the temperature of surface is not less than 100 degree C, protruding 1 mm to 4 mm over mastic surface complete as per technical clause 516 of MORT&H specifications.	1	Sqm.						
I		Materials (Type B)								
		Base Mastic= 60%								
		Coarse Aggregates=40%								
(i)		Bitumen 85/25 or 30/40 at site of work @ 10.2% by weight of mix	tonne	0.00583	36400.00	212.21				
		Aggregates								
(ii)		Fine aggregates passing 2.36mm and retained on 0.075mm at site of work @ 31.9% by weight of mix=0.638 tonne(0.638/1.625=0.39cum)	Cum	0.0111	280.73	3.12				
(iii)		Lime Stone Dust filler at site of work @ 17.92% by weight of mix =0.36 tonne	MT	0.0103	5687.50	58.58				
(iv)		Coarse aggregates 6.3mm to 13.2mm at site of work @ 40% by weight of mix=0.80 tonne(0.80/1.456=0.55cum)	Cum	0.0157	461.32	7.24				
(v)		Pre Coated Stone Chips of 13.2mm nominal size for skid resistance at site of work @0.005cum per 10sqm	Cum	0.0005	435.24	0.22				
(vi)		Bitumen 85/25 or 30/40 for coating of chips at site of work @ 2% by weight of pre coated stone chips=0.018x1.456x2%= 0.0005 tonne or 0.50kg	kg	0.0143	36.40	0.52				
		Total - I				281.89				

22

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)	Rate (In Rs.)	Cost (In Rs.)	Total (In Rs.)
1	2	3	4	5	6	7	8	9	10	11
		Add contractor's profit @ 10% i.e. on Rs. 281.89				28.19				
		Add Labour cess @ 1% i.e. on Rs. 310.08				3.10				
		Cost for 1 Sqm.	Sqm.			313.18				
		Cost for 1 Sqm.	Sqm.			313.18	313.18			313.18
II		Labour								
		Taking output	35 sqm							
(i)		Male	Day	0.44	154.68	68.00				
(ii)		Mazdoor Unskilled (Semi Skilled Lower)	Day	10.00	143.61	1438.10				
(iii)		Mazdoor Skilled (Skilled Upper)	Day	1.00	164.69	164.69				
		Machinery								
(iv)		Mastic cooker 1 tonne capacity	hour	6.00	60.00	360.00				
(v)		Bitumen boiler 1500 litres capacity	hour	6.00	192.00	1152.00				
(vi)		Tractor for towing and positioning of mastic cooker and bitumen boiler.	hour	1.00	250.00	250.00				
		Total - II				3431.42				
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 3431.42				51.47				
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 3482.89				748.82				
		Add Labour cess @ 1% i.e. on Rs. 4231.71				42.32				
		Labour for 35 sqm	sqm			4274.03				
		Labour for 1 sqm	sqm			122.12	122.12		122.12	
		Cost for 1 sqm	sqm				435.30			
		Add 10% for sub mountainous region								12.21
		Labour for 1 sqm	sqm							134.33
		Cost for 1 sqm	sqm							447.51

CSR - 2010

23

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
24.33	2	3 Patch Work with Close Graded Premix Surfacing/ Seal Surfacing 20mm thickness (Type B) Providing and laying patch work with close-graded premix surfacing material of 20 mm thickness Type B using penetration grade bitumen VG-30 @ 1.9kg per sqm and crushed stone aggregates of specified grading after trimming the pot hole, removal of failed material, including mixing in a batch type hot mix plant, laying by suitable means and rolling with a smooth wheeled roller to match the adjoining surface complete as per technical clause 506 of MORT&H specifications	4	5	6	7	8	9	10	11
		10250 sqm								
		Materials								
(i)		Bitumen VG-30 at HMP @ 19 kg per 10sqm including 5% wastage	tonne	20.449	34034.02	700051.47				
		Aggregates								
(ii)		Crushed stone aggregates 13.2mm to 0.09mm at HMP @ 0.27 cum per 10sqm including 5% wastage Total - I	Cum	260.588	461.32	134054.06				
		Add contractor's profit @ 10% i.e. on Rs. 834105.53				834105.53				
		Add Labour cess @ 1% i.e. on Rs. 917516.08				83410.55				
						9175.16				
		Cost for 10250 sqm				926691.24				
II		Labour								
		Cost for 1 sqm				90.41	90.41			90.41
		Taking output 10250 sqm								
(i)		Male	Day	1.50	151.44	227.16				
(ii)		Mazdoor Unskilled (Semi Skilled Lower) working with HMP, paver, roller and road sweeper	Day	21.00	143.81	3020.01				
(iii)		Mazdoor Skilled (Skilled Upper) for checking line & levels	Day	7.50	164.69	1235.18				
		Machinery								
(iv)		Batch mix HMP	hour	8.00	22650.00	181200.00				

Sr. No.	Code No.	Description	Unit	Quantity	Plain			For Sub-Mountainous Region		
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
1	2	3	4	5	6	7	8	9	10	11
(v)		Paver finisher hydrostatic with sensor control	hour	12.00	2587.50	31050.00				
(vi)		Generator 250 KVA	hour	8.00	1687.50	13500.00				
(vii)		Front end loader 1cum bucket capacity	hour	8.00	780.00	6240.00				
(viii)		Smooth wheeled roller 8-10 tonne weight	hour	60.00	300.00	18000.00				
		Total - II				254472.35				
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 254472.35				3817.09				
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 258289.44				66522.23				
		Add Labour cess @ 1% i.e. on Rs. 313821.67				3138.22				
		Labour for 10250 sqm				316969.89				
		Labour for 1 sqm				30.92	30.92		30.92	3.09
		Cost for 1 sqm					121.33			34.01
		Add 10% for sub mountainous region								124.42
		Labour for 1 sqm								
		Cost for 1 sqm								

total

124.42

25

Sl. No.	Code No.	Description	Unit	Quantity	Plain				For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Total (in Rs.)
24.34	2	3 Patch Work with Bituminous Macadam 50mm to 75mm thickness (Grading II) Providing and laying patch work with bituminous macadam 50mm to 75mm thick using crushed stone aggregates of specified grading premixed with bituminous binder VG-30 @ 3.4% in batch type hot mix plant, laid after trimming the pot hole, removal of failed material, laying by suitable means and rolling with a smooth wheeled roller to match the adjoining surface complete as per technical clause 504 of MORT&H specifications	Cum	205								
I Materials												
(i)		Bulk Bitumen VG-30 at HMP @ 3.4% including 5% wastage	tonne	16.101	34234.02	551201.86						
		Aggregates including 5% wastage										
		Net wt. of aggregates = 473.55-16.101 = 457.449 tonne										
		Taking Density 1.50 tonne per cum										
		Volume of aggregates = 304.966 cum										
(ii)		25mm to 10mm at HMP @ 40%	Cum	121.986	427.40	52136.82						
(iii)		10mm to 5mm at HMP @ 40%	Cum	121.986	461.32	56274.56						
(iv)		5mm and below at HMP @ 20%	Cum	60.994	280.73	17122.85						
		Total - I				676736.21						
		Add contractor's profit @ 10% i.e. on Rs. 676736.21				67673.62						
		Add Labour cess @ 1% i.e. on Rs. 744409.83				7444.10						
		Cost for	Cum	205		751853.93						
		Cost for	Cum	1		3667.58				3667.58		
II Labour												
(i)		Taking output	Cum	205								
			Day	1.50	151.44	227.16						

PSR - 2010

Sr. No.	Code No.	Description	Unit	Quantity	Plain		For Sub-Mountainous Region			
					Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)	Rate (in Rs.)	Cost (in Rs.)	Total (in Rs.)
(i)	2	Mazdoor Unskilled (Semi Skilled Lower) working with HMP, paver, roller and road sweeper	Day	21.00	143.81	3020.01				
(ii)		Mazdoor Skilled (Skilled Upper) for checking line & levels	Day	7.50	164.69	1235.18				
		Machinery								
(iv)		Batch mix HMP	hour	6.00	22650.00	135900.00				
(v)		Paver finisher hydrostatic with sensor control	hour	12.00	2587.50	31050.00				
(vi)		Generator 250 KVA	hour	8.00	1687.50	13500.00				
(vii)		Front end loader 1cum bucket capacity	hour	6.00	780.00	4680.00				
(viii)		Smooth wheeled roller 8-10 tonne weight	hour	60.00	300.00	18000.00				
		Total - II				254472.35				
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 254472.35				3817.09				
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 258289.44				55532.23				
		Add Labour cess @ 1% i.e. on Rs. 313621.67				3136.22				
						316959.89				
		Labour for 205 Cum	Cum							
		Labour for 1 Cum	Cum			1546.15	1546.15		1546.15	
		Cost for 1 Cum	Cum				5213.73			
										154.62
		Add 10% for sub mountainous region								1700.77
										5368.35

5368.35

Sr. No.	Code No.	Description	Unit	Qty	Plain		For Sub Mountainous Region	
					Rate	Amount		Rate
3.15	305.4.3	Scarifying Existing Bituminous Surface to a depth of 50 mm by Mechanical Means						
		Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead upto 1000 metres.						
		Unit = sqm						
		Taking output = 100 sqm						
		a) Labour						
		Mate	day	0.010	240.64	2.41		
		Mazdoor	day	0.250	240.64	60.16		
		b) Machinery						
		Tractor with ripper attachment @ 60 cum per hour	hour	0.080	282.50	22.60		
		Front end loader 1 cum bucket capacity @ 25 cum per hour	hour	0.200	881.40	176.28		
		Tipper 5.5 cum capacity, 4 trips per hour.	hour	0.230	339.00	77.97		
		Total				339.42		
		Sundries such as traffic management during construction, watch and ward, minor T&P etc. @ 1.5% i.e. on Rs. 339.42				5.09		
		Add contractor's profit & Overhead Charges @ 21.5% i.e. on Rs. 344.51				74.07		
		Add Labour cess @ 1% i.e. on Rs. 418.58				4.19		
		Labour for 100 Sqm.				422.76		
		Labour for 1 Sqm.				4.23	4.23	4.23
		Add 10% for sub mountainous region						0.42
		Labour for 1 Sqm.						4.65

25/25

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